

LIBRARY  
RECEIVED

JAN 16 1925

# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOL. XVI

NEW YORK, JANUARY 14, 1925

No. 2

## MATHIESON Chemicals

### Mathieson Dense Soda Ash

A true measure of non-dusting quality in Dense Soda Ash can best be obtained by screening analysis. Before leaving our works every car of Mathieson Dense Ash must measure up to our standard screening test.

Its exceptional freedom from dust and its uniform chemical and physical properties make the "Eagle Thistle" product particularly suited to the glassmaker's requirements.

Caustic Soda  
Liquid Chlorine  
Bicarbonate  
of Soda



Soda Ash  
Bleaching Powder  
Anhydrous Ammonia  
Modified Virginia Soda

The MATHIESON ALKALI WORKS Inc.  
25 WEST 43<sup>rd</sup> STREET - NEW YORK CITY  
PHILADELPHIA CHICAGO  
PROVIDENCE CHARLOTTE

Deal Direct with the Manufacturer

In This Issue { Industrial Alcohol Bureau Urged  
Bewans on Marking Imported Goods

# Acetic Anhydride



*The  
Mark  
of  
Dependability*

Made by the Phosphorus process, Warner Acetic Anhydride is quite free from all traces of sulphur and the high purity of our commercial grade makes it the absolute standard for this product.

Grades 85-89%

90-95%

chemically pure

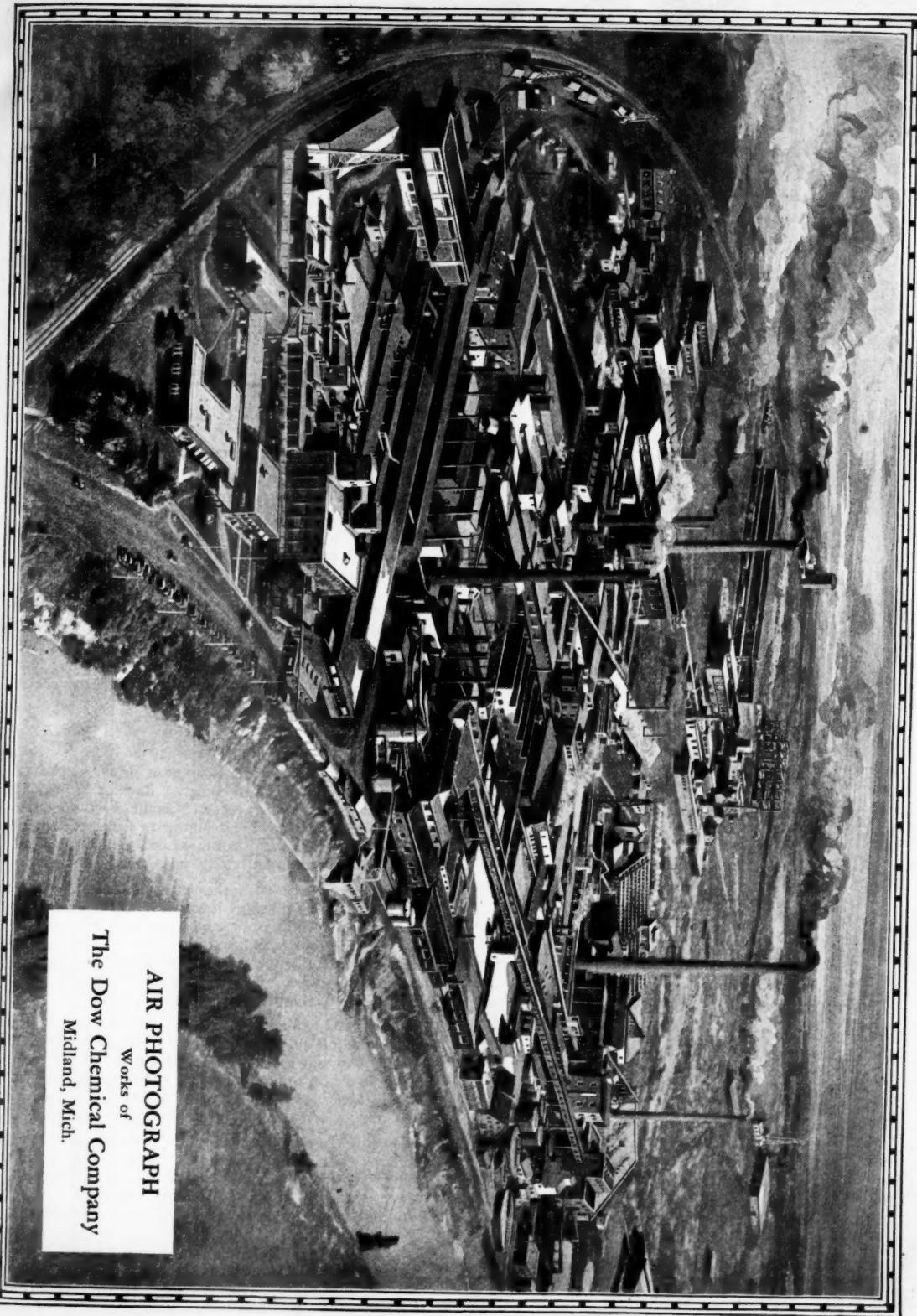
PHOSPHORUS OXYCHLORIDE  
CARBON TETRACHLORIDE  
SODIUM PHOSPHATE  
ACETIC ANHYDRIDE  
ALUMINUM HYDRATE  
SULPHUR CHLORIDE  
PHOSPHORIC ACID  
CAUSTIC SODA

## THE WARNER CHEMICAL CO.

52 Vanderbilt Avenue      New York, N. Y.

Plants: Carteret, N. J.

Exclusive Sales Agents for Westvaco Chlorine Products, Inc.,  
So. Charleston, W. Va.



AIR PHOTOGRAPH  
Works of  
The Dow Chemical Company  
Midland, Mich.



## COUMARIN



*The Coumarin which is setting a new standard in Coumarin quality.*

For samples and prices apply to  
Exclusive Selling Agents

BURTON T. BUSH, INC.  
45 JOHN STREET  
NEW YORK



## DRUG & CHEMICAL MARKETS

Published Every Wednesday by  
DRUG & CHEMICAL MARKETS, INC.  
William Haynes, President  
Ira P. MacNair, Secretary F. F. Burgin, Treasurer

Publication Office  
3 PARK PLACE, NEW YORK, U. S. A.  
Telephone 0440 Barclay Cable Chemmark

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES  
United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOL. XVI

No. 2

## The Week in Brief

### News

Synthetic dye imports in 1924 show a decrease of 272,203 pounds in quantity compared with 1923 imports, and a decrease of \$320,665 in value.

Testifying before the Sub-Committee of the Senate Judiciary Committee, members of leading drug and chemical associations urged amendments to the Cramton bill which will provide for a Board of Appeals and for an Industrial Alcohol Division of the Prohibition Unit with a chemist as chief.

Japan will revise the tariff on drugs and chemicals. The recent "luxury" rates have not checked the purchase of luxuries abroad, but have increased the prices of daily necessities included in the list.

### Markets

Industrial chemicals continue to gain in strength although trading remains quiet. Barium carbonate higher. Copper sulfate easy. Oxalic acid unsettled. Prussiates up again. Lead pigments firm at advance. Bichromates firmer. Ammonium chloride weak. Potash alum firm. Antimony salts steady at advance.

Intermediates strong with the exception of para-nitro-aniline which is selling at lower levels. Demand continues dull. Aniline oil and beta-naphthol holding firm. Ortho-toluidine firm at recent advance. Pyridine higher. Phenol, cresylic acid and naphthalene remain very quiet. Benzene steady. Toluene scarce and active. Solvent naphtha firm.

Vegetable oils generally steady. Cottonseed oil firm. Chinawood oil quiet. Linseed oil unchanged. Corn oil firmer. Animal oils continue strong in several items and ease off on others. Greases easier. Lard oil firm. Tallow easier. Fish oils show but little improvement. Cod oil firmer. Menhaden oil quiet.

Fine chemicals show tendency to advance on scarcity. Codliver oil is higher on active demand and firmer shipment prices. Bromides are steady. Menthol is lower on spot, although Japanese producers appear firm due to high cost of oil. Potash permanganate is firmly held.

Crude drugs appear to be on the upward trend. Lycopodium, lobelia herb, Rio ipecac, cardamoms, and marjoram leaves are scarce. Dalmatian insect flowers are not being offered at the moment. Belgian valerian root is firm.

# For the Lake Trade

Among the products that comprise the Calco list of dyes and intermediates are the following Specialties that are standardized particularly for the manufacture of pulps, paints and printing inks:

#### *Acid Color*

Calco Lake Orange  
11, 11YS  
Calco Lake Scarlet  
2R, RX, 3RX  
Calco Bordeaux BS, B, Y  
Calco Tartrazine RXL, MCG  
Calco Naphthol Yellow

#### *Basic Colors*

Calco Methylene Blue  
2B, 2BC, 2BX  
Calco Methyl Violet  
4BB Ex. Conc.  
Calco Malachite Green V  
Calco Fuchsine RS  
Calco Crystal Violet

#### *Intermediates*

Calco Beta Naphthol  
Calco Paranitraniline  
Calco Meta Nitro Para  
Toluidine  
Calco Mono Sulphonic Acid

#### *Specialties*

Calco Nigrosine Base  
Calco Victoria Blue Base  
Calco Methyl Violet Base  
Calco Alkali Blue L

In addition to these products we are prepared to furnish special types to meet your particular requirements.

*Let us help you select the Calco  
Standard best suited to your needs.*

*"A Mark of Quality"*



**THE CALCO CHEMICAL COMPANY**  
Bound Brook N.J.

*Canadian Representative, Dillons, Ltd., Montreal, Toronto*

# CHEMICALS and SOLVENTS

Acetate of Lime  
Acetone, C. P.

Acetone  
(Methyl)

Methanol  
(All grades)

Denatured Alcohol  
(All formulas)

Formaldehyde

Hexamethylene Tetramine

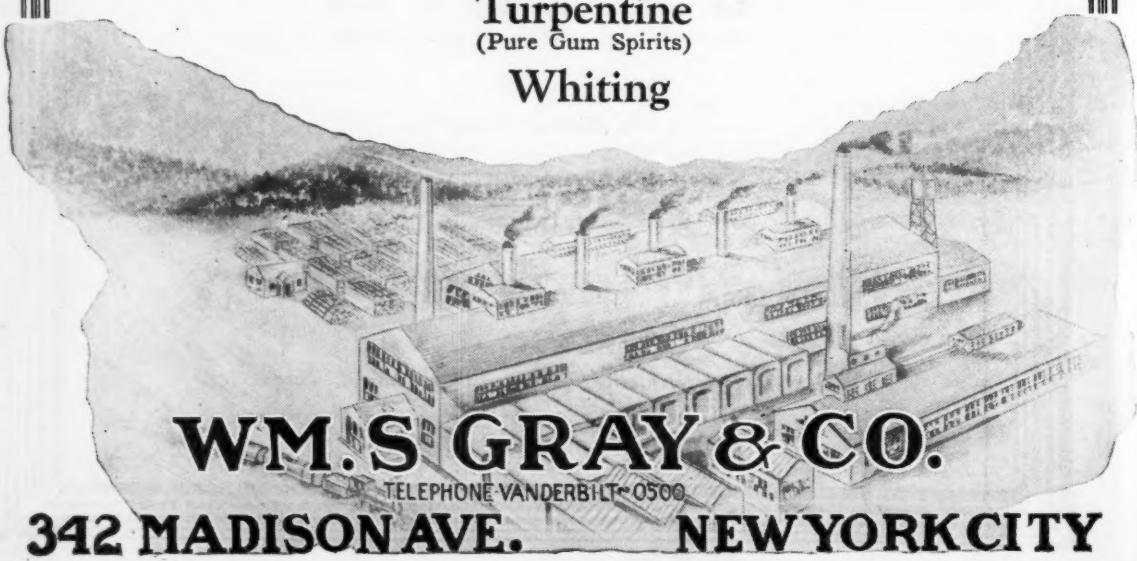
Magnesia

Para Formaldehyde

Phenol

Turpentine  
(Pure Gum Spirits)

Whiting



WM. S GRAY & CO.

TELEPHONE VANDERBILT 0500

342 MADISON AVE. NEW YORK CITY

# DRUG & CHEMICAL MARKETS

VOL. XVI

NEW YORK, JANUARY 14, 1925

No. 2

## AN APPRAISER ON DYE PROTECTION

The successful working of the tariff on dyestuffs is reviewed by F. J. H. Kracke in an address delivered before the Synthetic Organic Chemical Manufacturers' Association, in which the appraiser at New York demonstrates the efficiency of the Customs Division of the Treasury Department. It was a stupendous task to establish a large modern dye testing plant and gather 4000 pre-war foreign standard samples and 1100 domestic samples of products manufactured at 45 American plants. Up to the present time more than 750 standards of strength covering over 1600 names of foreign dyes have been established by the Treasury. In place of the original lists of 1300 competitive and 500 non-competitive dyes nearly 700 competitive and 900 non-competitive foreign dyes have been established by tests on actual importations. The chemists who undertook these tests deserve unstinted praise for thoroughness and care in compiling the valuable lists by means of which the American dye industry is protected against foreign manufacturers who are watching every opportunity to capture the American market.

## BY-PRODUCT ACETONE

Acetone is a vivid example of a dollars-and-cents problem that always looms up on the chemical horizon. It began its varied commercial career as a by-product in the wood distillation manufacture of methanol. Uses for acetone multiplied and consumption increased till it assumed a position of major industrial importance. Indeed, during its "aeroplane dope" and gunpowder days of the war, when its price sailed up to 30c, it was a product of prime consideration for makers and users, and especially for speculators. Now surplus supplies are flooding into the market as a by-product in another, newer branch of the chemical industry.

Fermentation acetone is a by-product in the production of butyl alcohol. The demand for butyl alcohol is heavy and is likely to be heavier as time goes on owing to the increased use of butyl acetate lacquers in place of varnishes. To keep butyl alcohol production up, the maker must also produce acetone in larger quantities. Because the

acetone is a by-product, it can be sold at almost any price just so long as the producer gets rid of it. To-day, there is one maker of butyl alcohol in the United States, producing enough fermentation acetone to cause a price war. Within a few months, another butyl alcohol plant will begin operation at Peoria, Illinois, with a capacity of two million pounds of butyl per month. This plant will, of necessity, also produce its share of by-product acetone.

The price of acetone has been cut down to twelve cents per pound and may go down as low as eight cents if the present war between producers of the fermentation product and the acetate of lime material, continues. Judging from the view just over the horizon, this battle of prices is not likely to end for some time and during the period, relation between cost of production and selling price is likely to be forgotten. The chief beneficiary is and will continue to be the consumer, who can experience the sensation, not altogether uncommon where chemical consumers are concerned, of buying a raw material at about half of its production cost.

This is the situation which manufacturers of acetone from acetate of lime are up against. They cannot turn out acetone at twelve cents or in some cases higher, and break even. When it comes to eight or ten cents, the price is far under cost and the continuation of a market at this level might eventually force them to retire. Of course, acetate of lime is more or less a by-product from the production of wood alcohol, and the derived acetone might be considered in the same light by the producer. The acetone manufacturer who has to buy his "lime", however, looks to be hopelessly out of it for some time to come.

Back of this acetone price war, lies the real menace to the chemical industry to-day, the newly developed by-product which is forced on the market to compete with an established primary product. Naturally, nobody is to blame. The new by-product developments are merely sidelights on the march of industrial progress. To attempt to prevent this march, would be futile, and as time goes on, the chemical industry must be prepared to stand ever increasing competition from this by-product development.

[JANUARY 14, 1925]

### A NEEDED BUSINESS REFORM

An attempt to standardize the invoice, purchase order and inquiry forms used in the United States is being made today, Jan. 14, at a conference in Washington of representatives of 41 national trade associations and the National Association of purchasing Agents. Producers have complained for some time of the nuisance of billing sales on invoice blanks provided by customers. The great diversity of forms used causes tremendous waste, it is claimed, and the Division of Simplified Practice of the Department of Commerce is co-operating with the National Association of Purchasing Agents to eliminate the loss to industry by the complicated system now in use. It is estimated that the annual waste is \$15,000,000.

Among the industries lending support to the standard form are manufacturers of paper, asbestos, steel barrels, silk, leather, oil cloth, tiles, glass, refractories and iron and steel. The standard form was adopted by the Purchasing Agents Association at the Philadelphia meeting in 1921. Invoices of the standard size save clerical help by reducing handling, filing, checking, and recording. The aid given to the movement by the Simplified Practice Division is the crowning effort to bring about the general adoption of the standard forms. Credit for the stupendous work of organization and publicity given to the plan is due the Association of Purchasing Agents.

### BUYING WISELY AND UNWISELY

When the consumer buys only after surveying the market quietly, he usually buys wisely. But when he jumps into the market by a set rule, which states that one should first send out inquiries to all the different sources of supply, and then take the cheapest price offered, he may buy unwisely. When stocks of a certain item were low recently, a certain consumer made inquiry of nearly every chemical house in the country. If he had made inquiry of one house only, and allowed them to buy the goods, he probably would have saved a nice little sum. But he came into the market when stocks were low, and the result was that whoever had the material raised the price as high as possible. When nobody wanted the goods, the price was nominal, but when everybody was making inquiry of each other, the price was immediately jumped up.

Set rules are alright at times, but in this instance, it would have been better for the consumer to make inquiry quietly, and not broadcast his needs. If stocks of this particular item had been heavy, he probably would have been complimented on his shrewd buying instinct. As a safety-first rule, a preliminary survey is necessary in order to find out whether stocks are plentiful. After the survey, the buying is relatively easy, and depends only upon quality and price.

Carbonated beverages stimulate respiration and cause a more active ventilation of the blood, says a

physician who has invented an inhaler for resuscitating victims of poisoning by carbon monoxide fumes, and he has used this fact in a scientific way by mixing carbon dioxide with oxygen. When a worker in a gas-house was overcome in the old days, his comrades ran for a bottle of Weiss beer. They knew it was effective, but they did not know that the carbon dioxide in the Weiss beer stimulated the breathing, drawing oxygen into the lungs. The respiratory center in the lower part of the brain is said to be sensitive to carbon dioxide, but is not affected by oxygen alone. The invention is intended as a means of saving persons overcome by gas from faulty heaters and automobile exhausts in a tightly closed garage.

### Ten Years Ago

From "Drug & Chemical Markets" of Jan. 13, 1915:

The Drug Trade Section of the New York Board of Trade and Transportation at its annual meeting in the Drug and Chemical Club last Wednesday elected these officers: Chairman, Irving McKesson, of McKesson & Robbins; vice-chairman, Frank L. McCartney, of Sharp & Dohme; treasurer, William A. Hammann, of the Roessler & Hasslacher Chemical Company; secretary, William F. McConnell.

F. W. VanLoon, of Philadelphia, has been awarded a contract for the erection of two dye factory buildings at Marcus Hook near Chester, Pa., for the Benzol Products Company, for \$75,000. Employment will be given there to about 500 men and boys.

About 30 years ago the stock of natural indigo in London was usually about 2,000 tons and almost a neighborhood of warehouses and offices were exclusively engaged in its transactions. In August the stock was 150 tons, today 25 tons. The price of good quality in July last was 3s 6d per lb., today it is 15s 6d. The trade is reviving, as intimated in a previous letter, but taking all the bearings into consideration, it is doubtful whether its existence will be anything more than a temporary one or survive for long after the war, which is responsible for having brought it to the front again.

Phenol has been slower than some other articles to advance, but it has climbed slowly—never has fallen back a fraction and has maintained a firmness all the way through, which is now believed to portend another advance.

England has been supplying the United States with acetanilid since the war began, except for certain shipments from Germany by way of Rotterdam and other neutral ports. It is believed that the withdrawal of the stocks for America is to enable England to accumulate a reserve supply for the army in France and for her Allies.

A fund of \$1,000,000 to prosecute credit criminals was appropriated at a meeting of the National Association of Credit Men, at the Hotel Astor, New York, Jan. 8. The National Association of Credit Men is the largest commercial organization in the country, having a membership of 30,000. Assistant U. S. Attorney Garrett W. Cotter said the amount obtained annually by credit crooks is probably \$400,000,000.



# Industrial Chemical SECTION

## Freight Rates and the Chemical Industry

### *A Study of the Eastern Class Rate Investigation and the Status of Chemical Transportation*

By HARRY M. MABEY,  
General Traffic Manager, of the Mathieson Alkali Works

**F**REIGHT rates can make or break any industry. The expression "position is everything in life" is no more apt than "location is everything in industry", for only with a good location and a favorable freight rate to the big consuming markets, is mass production possible. Natural resources without shipping facilities and favorable rates, are not resources. Even those industries which to-day are favorably located, may be cast out into the cold to-morrow by a change in the rates for transporting their products.

Harry Mabey who is general traffic manager for one of the largest American alkali producers, and chairman of the Traffic Managers' Council of the Associated Industries of New York State, has followed closely the present Eastern Class Rate investigation, and knows the effect which freight rate changes will have on the chemical and chemical consuming industries. As one of the foremost traffic men in the industry, his analysis of the freight rate situation is authoritative.

This is the second section of Mr. Mabey's study of the freight rate situation, the first appearing in last week's issue, DRUG & CHEMICAL MARKETS of Jan. 7.—The Editors.

Most apparently every industry, every shipper or receiver of freight, and every person residing in Official Classification territory, will be affected directly or indirectly by the outcome of this investigation. The word investigation is used advisedly, and its use by the Commission presupposes that every party at interest will express its views in this matter, upon the record, in public hearing, to the end that its decision be taken with full cognizance of all pertinent facts. It were absurd to imply that a detailed analysis of these proposals, upon which the carriers have many experts working since 1918, can have been made by any industrial traffic manager in the short space of time which has elapsed since their publication.

The statement of the Interstate Commerce Commission, which is quoted above, in full, makes it plain that the entire rate structure East of the Mississippi River is in issue. In addition, the Commission indicates that the intrastate will be taken into consideration. Evidence in regard to intrastate rates will be freely admitted at their hearings, and the various State Commissions have been invited to co-operate.

The questions which the Commission indicate they will inquire into, cover every possible phase of the question, but an outstanding fact is conveyed to any reader,—that the Commission will approach this investigation with an open mind, and intends to work even-handed justice to all. No one can find fault with the result unless he has done his share of the work in this investigation.

Many organizations of shippers, throughout the territory affected, have made definite arrangements to adequately protect their common interests. The Associated Industries of New York, for instance, began, in behalf of its membership, as far back as June, 1924, to study this matter. Clark and La Roe, of Washington, emi-

nent commerce counsel, were retained by the Association, and Charles E. Bell, of Washington, traffic expert and analyst, commenced a study of the merits of the carriers' proposals, in behalf of the Associated Industries. The vastness of this work is shown by the fact that after several months work, these studies are still unfinished.

The effect of the proposals of the carriers can only be indicated in a general way. By recalling, as previously shown herein, the great number of chemicals and drugs which move under class rates, in both carloads and less than carloads, the additional burden of freight rates which it is proposed to impose upon this industry will be apparent. In fact, one does not have to be a traffic expert to realize that the nature of manufactures throughout this territory is such, that more tonnage actually moves under the first four classes than anywhere else in this country. Recall, for example, besides chemicals and drugs, textiles, boots and shoes, dairy products, fruit and vegetables, furniture, automobiles, chewing gum, confectionery, leather, hardware, rubber goods—and a host of others.

The carriers advance the following reasons for proposing to, literally, supplant the present freight rate structure of the trunk line territory with an entirely new and radically different one, and one of a higher level.

First, that they had to do this because the Commission refused to grant Fourth Section relief. We have shown that the carriers did not make an effort to obtain this relief; made no attempt to develop the facts, which would probably have shown clearly the relative unimportance of the Fourth Section violations. On the contrary, they said they proposed to readjust their rates, and then ask for this very relief from the Fourth Sec-

tion violations, which their readjustment would create. In the C. F. A. Scale Case, when the Commission ordered a mileage scale established, they also granted Fourth Section relief to cure the violations resulting.

Second, that because all the class rates in Trunk Line territory, treated as a whole, showed a varying average relationship to those on the West, in Central territory (the basis of which dates from 1917), and likewise to those on the East, in New England territory (dating from 1918), therefore, the rates on tank line territory must be harmonized therewith. Harmony suggests a musical sound, therefore, the proposed rates are supposed to sound well; this is a far cry from the old fashioned practical method of making rates to fit commercial needs. The strength and earning power of the great trunk lines in this territory is well known. Statistics show that their status is better than in either the territory West of them, or in New England to the East. Notwithstanding this, the general effect of these proposals, would be to instal a higher rate structure in trunk line territory than that prevalent in Central Territory. It is significant that the lines in Central Territory, with their lower rate level, are not proposing any increase in their rates, intraterritorially.

Third: The carriers say that there must be a definite relationship between the classes. Without disputing this view, it is evident that the result of the revision depends upon the starting point on which the relationship is based. Instead of taking a reasonable first class rate for the start, they take the low class as a basis for making the other classes. This results in holding fifth and sixth class nearly where it is, but materially increases the first, second, third, and fourth and all higher classes.

Fourth: The carriers say that their proposals are not for the purpose of obtaining an increase in revenue; that any advances are merely incidental to the general readjustment. If this is said in good faith, it is evident that the incidental advances should be counter-balanced by compensating reductions. Such reductions are not apparent in these proposals. The reduced rates which do appear, are found likely to apply upon unimportant tonnages, and are non-representative.

Fifth: The carriers say that while there are increases, a great many reductions are made. On paper, this is undoubtedly true. In general it appears that the lower classes are slightly reduced on some hauls, but articles under these classes ordinarily move on commodity rates. Rates in certain sections of Virginia, Southern Pennsylvania and Northern New York, which have always been high, are now materially reduced.

#### Increases Severe and Unreasonable

In the congested manufacturing territory, everywhere, increases appear in these proposals, even on fifth and sixth class rates. On the higher rates the increases are severe and unreasonable. On the first four classes, in which we are particularly interested, increases are proposed on practically all through rates within the Trunk Line territory, and from, or to, points in adjoining territories. It may be relied upon, however, that application will be made to the Commission, and that they will act favorably upon it, to the end that the carriers will be compelled by a definite and actual traffic test, to show exactly what effect upon their actual revenues the application of these, their proposed rates, will have. A few examples of typical rates are shown below, to indicate the increases which are proposed, and the nature and measure of the reductions, within trunk line territory:

Between Poughkeepsie, N. Y. & Roanoke, Va.									
Present	151	133	106½	69	60½	5	6	50	
Proposed	120	102	80½	60	42	33½			
Between Poughkeepsie, N. Y. & Rochester, N. Y.									
Present	66½	56½	47½	34	28½	25	6		
Proposed	83	70½	55½	41½	29	26			
Between Charleston, W. Va. & Altavista, Va.									
Present	106½	98	70	48	40½	33½	6		
Proposed	88	75	59	44	31	24½			
Between Charleston, W. Va. & Philadelphia, Pa.									
Present	114½	100	75½	52	44½	37	6		
Proposed	117½	100	78½	59	41	33			
Between Niagara Falls, N. Y. & Roanoke, Va.									
Present	129	113	97	60½	56½	46	6		
Proposed	126½	107½	85	68½	44½	35½			
Between Niagara Falls, N. Y. & Rochester, N. Y.									
Present	34	27	21½	17½	14½	9½	6		
Proposed	52	44	35	26	18	14½			
Between Niagara Falls, N. Y. & Philadelphia, Pa.									
Present	79	68½	54½	37½	32	26½	6		
Proposed	97	82½	65	48½	34	27			
Between New York, N. Y. & Roanoke, Va.									
Present	114	97	78½	53½	47½	40½	6		
Proposed	111	94½	74½	55½	39	31			
Within Trunk Line Territory									
Between New York, N. Y. & Rochester, N. Y.									
Present	66½	56½	47½	34	28½	25	6		
Proposed	89	75½	59½	44½	31	25			
Between New York, N. Y. & Altavista, Va.									
Present	115	99	81	57½	50	40	6		
Proposed	111	94½	74½	55½	39	31			
Between New York, N. Y. & Philadelphia, Pa.									
Present	41½	34	28½	22½	19½	18½	6		
Proposed	58	49½	39	29	20½	16			
Between New York, N. Y. & Charleston, W. Va.									
Present	116½	102	77½	54	46½	39	6		
Proposed	126½	107½	85	68½	44½	35½			
Between New York, N. Y. & Poughkeepsie, N. Y.									
Present	41½	34	28	22½	19	15½	6		
Lighterage Delivery									
Track Delivery									
Present	40%	32	25½	21½	17½	13	6		
Proposed	58	49½	39	29	20½	16			
Between Trunk Line and New England and Central Territory									
Between Boston, Mass. & Cleveland, Ohio									
Present	108	94½	72	51	43	35½	6		
Proposed	121½	109½	81½	61½	43	34			
Between Boston, Mass. & Cincinnati, Ohio									
Present	130%	114½	87	61½	52	43½	6		
Proposed	147	125	99	74	52	41			
Between Boston, Mass. & Detroit, Mich.									
Present	118	103	78½	55½	47	39	6		
Proposed	132½	112½	89	67	47	37			
Between Boston, Mass. & Chicago, Ill.									
Present	149	130½	99½	70	59½	49½	6		
Proposed	168	143	113	84½	59½	47			
Between New York, N. Y. & Cleveland, Ohio									
Present	101	88½	67	47	40	33½	6		
Proposed	114½	97½	76½	57½	40	32			
Between New York, N. Y. & Cincinnati, Ohio									
Present	123½	108½	82	57½	49	41½	6		
Proposed	140	119	94	70	49	39			
Between New York, N. Y. & Detroit, Mich.									
Present	111	97	78½	51½	44	37	6		
Proposed	125½	106½	84	63	44	35			
Between New York, N. Y. & Chicago, Ill.									
Present	142	124½	94½	66	56½	47½	6		
Proposed	161	137	108	80½	56½	45			
Between Trunk Line and New England and Central Territory									
Between Albany, N. Y. and Cleveland, Ohio									
Present	1	2	3	4	5	6			
Proposed	97	85	64½	45	38½	32			
Between Albany, N. Y. and Cincinnati, Ohio									
Present	110	99½	73½	55	38½	31			
Proposed	138½	114½	90	67½	47	37½			

(Continued on page 108)

## DRUG &amp; CHEMICAL MARKETS

## NAME OFFICERS FOR ANDERSON CHEMICAL

*(Special to DRUG & CHEMICAL MARKETS)*

Boston, Mass., Jan. 14.—Anderson Chemical Co., Wallington, N. J., which was purchased on Dec. 24 by Merrimac Chemical Co., Boston, will be operated by the Merrimac company under the name of Anderson Chemical Co., but with new officers and directors. Charles Belknap, executive vice president of the Merrimac Chemical Co. is president, S. W. Lichtenwalter formerly assistant to the president of the Merrimac, is vice president, William Warren, assistant treasurer of Merrimac becomes treasurer of Anderson, and Miss Josephine Eberhard continues as secretary.

A temporary board of directors was elected consisting of Mr. Belknap, Mr. Lichtenwalter and Edward P. Brown, attorney for the Merrimac, but the permanent board will be elected shortly and will consist of George H. Clough, president of Russell Co., Boston, general managers of Merrimac Chemical Co., Salmon W. Wilder, president Merrimac Chemical Co., Charles Belknap, Andrew F. Carter, a member of the board of directors of Merrimac, S. W. Lichtenwalter and Josephine Eberhard.

## HEAVY CHEMICAL EXPORTS DECLINE

*(Special to DRUG & CHEMICAL MARKETS)*

Washington, Jan. 14.—The aggregate value of industrial chemicals exported from the United States during the first eleven months of 1924 shows a decline of 11 per cent from the total of \$24,781,000 shipped during the corresponding period of 1923, according to the Department of Commerce.

The industrial chemicals which showed increases were calcium carbide, worth \$412,000 (9,257,000 pounds), and dextrine, \$832,000 (20,621,000 pounds). Among those registering decreases were aluminum sulfate, \$377,000 (29,435,000 pounds); ammonia and ammonium compounds, \$836,000 (3,118,000 pounds); bleaching powder, \$347,000 (19,912,000 pounds); and glycerin, \$223,000 (1,335,000 pounds). While the quantities of acetate of lime, copper sulfate and formaldehyde exported in the eleven months of 1924 were in excess of shipments in the corresponding January to November (1923) period, the values in each instance were slightly less.

## PROTEST BUTTERWORTH-JUDSON SALE

Merchandise creditors of Butterworth-Judson Corp. have organized a committee to protest the forced sale of the company's property on Jan. 21 by order of the United States District Court.

It is estimated that the sale would result in a balance of \$941,509, from which amount all expenses of the receivership and claims of the United States amounting to \$699,731 must be paid. This would leave nothing for the unsecured creditors so the committee proposes to attempt an orderly liquidation instead of the sale at auction. The committee's idea is to form a new corporation and finance the lifting of the receivership after disposing of the assets of the old corporation to advantage.

## MATHIESON APPOINTS NEW AGENTS

Baker & Gaffney, Philadelphia, have been appointed sales agents to serve commercial customers in the Philadelphia territory by the Mathieson Alkali Works, New York. Friedlander Supply Corp. will continue to handle the Mathieson line for the laundry and dry cleaning trade in Philadelphia.

Peirce & Stevens, Inc., Buffalo, N. Y., have been appointed local distributor of Mathieson products in Buffalo and the adjoining territory, according to an announcement by the Mathieson Alkali Works.

## MUSCLE SHOALS BILLS REJECTED

*(Special to DRUG & CHEMICAL MARKETS)*

Washington, D. C., Jan. 14.—The Senate killed the Underwood plan for leasing Muscle Shoals and rejected the Jones amendment, leaving the situation just as it was six weeks ago.

The final disposition of the Muscle Shoals property has been the main question before the Senate for some time. The Jones amendment, which appeared to have great popularity toward the close of the discussion, proposed the authorization of a commission to consider the disposition of the property. This amendment was reputed to have the backing of the administration. The Underwood bill proposed that President Coolidge have until Sept. 1 to lease the property and in case no favorable lease could be arranged, the President should work out a scheme for federal operation.

The Underwood bill dealt mainly with the nitrate situation, contemplating the adequate supply of nitrogen in time of war. Senator Norris, whose bill was replaced by the Underwood bill, characterized it as a "jane duck refuge," stating that the Government could not manufacture nitrate fertilizers any cheaper than can private manufacturers now operating.

At a meeting of the executive committee of the Salesmen's Association of the American Chemical Industry, held at the Chemists Club, New York, Jan. 6, the following new members were elected: C. A. Bartle, C. R. Caryl, W. A. Bush, E. M. DeBaun, Wm. Mueller and Thos. Cassidy. Plans were adopted for a course of five lectures on "Chemistry in Industry," to be delivered by Dr. Breithut, at Hygiene Hall, College of the City of New York. D. H. Killeffer was instructed to make the necessary arrangements for the course. The next meeting of the association will be held at the Builder's Exchange Club, New York, Jan. 27, and will be addressed by Prof. Allen Rogers on "Some Common Chemicals and Where They Go."

New York Junior Board of Trade and Transportation will hold a testimonial dinner to the officers of the Senior Board at the Hotel Roosevelt, New York, on Thursday evening, Jan. 15. Clarence W. Barron, publisher of the "Wall Street Journal" and president of Doremus & Co., will speak on "Financial Preparedness."

The Customs Service of the Treasury Department has announced the revocation of a dumping order on ferro-silicon from Canada. The order has been revoked, says Assistant Secretary of the Treasury Moss in an announcement to collectors "upon reconsideration of the matter and further evidence presented."

James E. Kelly, president of Hagerty Bros., New York, glassware house, sailed on Saturday, Jan. 10, for a six months' trip through Europe. Mr. Kelly will visit all the countries of Europe and will spend some time in the glass manufacturing centers abroad.

The Chemical Club of Philadelphia at its January meeting was addressed on "Magnesite Compositions" by Wm. S. Thorn, who gave in detail the chemistry involved. The next meeting of the club is to be held Feb. 9.

H. P. Rankin, vice-president of the American Magnesium Co., Los Angeles, Calif., arrived in New York late last week for a two week's business stay.

Dudley Dunlop of the New York sales staff of the Mallinckrodt Chemical Works is the father of a son born Jan. 10.

[JANUARY 14, 1925

### DECEMBER DYE IMPORTS DROP BELOW OCTOBER AND NOVEMBER FIGURES

Value \$283,655, Compared With \$351,887 in November and \$455,787 in October—Last Three Months Heaviest of the Year 1924—Germany Leads With 55 Per Cent of December Shipments, Switzerland 27 Per Cent, and Italy, Belgium, Canada, France and England 5 Per Cent and Less—Total Figures for Synthetic Aromatic Chemicals, Medicinals and Color Lakes

Imports of coal tar tires for December, 1924, through the Port of New York totaled 314,673 pounds, with an invoice value of \$283,655. Imports of dyes through other ports include Boston, 2,866 pounds, valued at \$1,401. According to the report compiled by the Chemical Division of the Bureau of Foreign and Domestic Commerce and the Chemical Division of the Tariff Commission, the dyes remaining in bonded customs warehouses included the following:

1924	Coal Tar Dyes	Coal Tar
	and Colors	Intermediates
	(pounds)	(pounds)
August 31	507,338	1,081,287
September 30	559,661	1,111,656
October 31	552,556	1,050,037
November	533,760	1,031,460

Imports of dyes through the Port of New York during the entire year 1924 were as follows:

	Pounds.	Value.
January	228,743	\$232,571
February	158,874	176,657
March	293,862	302,016
April	174,880	182,253
May	167,245	165,521
June	147,380	151,331
July	140,810	137,075
August	64,546	71,290
September	152,743	152,477
October	440,466	455,787
November	359,260	351,887
December	314,673	283,655

Total ..... 2,643,482 \$2,662,520

The five leading dyes by quantity imported during December were Alizarin Blue Black, 25,452 pounds; Ciba Violet B, 16,530 pounds; Indanthrene Pink B, 11,724 pounds; Indanthrene Blue GCD, 11,708 pounds; Indanthrene Yellow, 11,684 pounds.

The per cent by country of shipment is as follows: Germany, 55 per cent; Switzerland, 27 per cent; Italy, 5 per cent; Belgium, 4 per cent; Canada, 4 per cent; France, 3 per cent; England, 2 per cent.

The total imports of synthetic aromatic chemicals, through three ports, for the month of December were 11,553 pounds, with an invoice value of \$27,950.

	Pounds.	Value.
January	3,448	\$8,854
February	2,299	5,930
March	4,145	8,182
April	3,228	5,058
May	4,002	15,943
June	4,895	10,500

#### KEY TO ABBREVIATIONS

1. The Six Leading German Companies
- A....Action Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.
- B....Badische Anilin-und Soda Fabrik, Ludwigshafen-on-the-Rhine. Founded 1855.
- By....Farbenfabriken, vormals Friedr. Bayer & Co., Leverkusen on the Rhine. Founded 1862.
- ....Leopold Cassella & Co., Frankfort-on-the-Main. Founded 1870.

- K....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870.
- M....Farwerke, vormals Meister Lucius & Bruning, Hochst on-the-Main. Founded 1862.
2. The Smaller German Companies
- K....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig. Founded 1882.
- G....Chemikalienwerk Griesheim G. m. b. H., Griesheim-on-the-Main. Founded 1882.
- CJ....Carl Jager G. m. b. H., Anilinfarbenfabrik, Duesseldorf. Founded 1823.
- GrE....Chemiche Fabrik Griesheim-Electron, Offenbach-on-the-Main. Founded 1842.
- L....Farwerke Muheim, vormals A. Leonhardt & Co., Muheim-on-the-Main. Founded 1879.
- tM....Chemische Fabriken, vormals Weiler ter Meer. Uerdingen-on-the-Rhine. Founded 1877.
- WD....Wulfing, Dahl & Co., A. G. Barmen. Founded 1842.

## KEY TO ABBREVIATIONS—(Cont.)

## 3. Swiss Companies, all at Basel

DH....Fargwerke vormals L. Durand, Huguenin &amp; Co., Founded 1871.

G....Anilinfarben-und Extract-Fabriken, vormals Joh. Rud. Geigy. Founded 1764.

I....Gesellschaft fu<sup>r</sup> chemische Industrie. Founded 1885.

S....Chemische Fabrik, vormals Sandoz &amp; Co. Founded 1887.

## 4. Dutch and French Companies

FA....Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.

NF....Niederländische Farben-und-Chemikalienfabrik Delft, Delft, Netherlands. Founded 1897.

CN....Companie Nationale des Matieres Colorantes et Produits Chimiques Founded 1917.

P....Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis. (formerly A. Poirrier). Founded 1830.

## 5. English Companies

Bro....Brotherton &amp; Co. (Ltd.), City Chambers, Leeds.

BAC....British Alizarine Co. (Ltd.), Manchester.

BD....British Dyestuffs Corporation (Ltd.), London.

Cl Co....The Clayton Aniline Co. (Ltd.), Clayton, Manchester.

CV....The Colne Vale Dye and Chemical Co. (Ltd.), Milnsbridge, Huddersfield.

Hol....L. B. Hblliday &amp; Co. (Ltd.), Huddersfield.

Scot....Scottish Dyes (Ltd.), Grangemouth

Etablissements Kuhlmann merged with this company in 1923.

## The list of dyes follows:

Schultz No.	Dye & Maker	Quantity Pounds
10	Stilbene yellow	100
19	Fast light yellow	1,102
22	Xylene light yellow	17
28	Hansa yellow G	500
56	Azo acid blue	500
58	Acid anthracene brown	401
59	Acid anthracene blue	—
68	Geranine	250
71	Erica B	330
125	Acid ponceau	220
127	Mordant yellow	500
130	Eriochrome blue black	1,653
132	Brilliant sulphur red	6,221
273	Diaminogene blue	1,000
274	Diaminogene B	300
304	Chrysophenine	1,200
305	Direct yellow CH-Lev.	—
305	Pyramine yellow GX-B	—
305	Congo orange	50
322	Benzo fast red	200
329	Brilliant orange	1,500
348	Diamine orange B-C	338
348	Diamine fast red	388
348	Diamine fast red 8BL-c-By	4,037
348	Diphenyl red	—
348	Acetopurpurine 8B-A	—
348	Chloramine red 8BS-By	—
348	Toluylene red-Gr-E	200
348	Brilliant purpurine 4B	—
348	Brilliant purpurine 10B-A	—
370	Brilliant congo	50
385	Oxamine blue 4R	100
385	Toluylene orange	—
385	Direct fast orange K-I	—

Schultz No.	Dye & Maker	Quantity Pounds	No.	Dye & Maker	Quantity Pounds	
400	Acid anthracene red	200	761	Indanthrene golden yellow R (s.s.)	220	
	Acid anthracene red 5BL-By			Vat golden yellow RRT paste-B...		
409	Trisulphon brown	936	765	Indanthrene green B (s.s.)	618	
	Trisulphon brown B-S			Vat black BB dbl. paste-B		
456	Benzo fast blue	969	767	Indanthrene violet RR (s.s.)	3,560	
	Benzo fast blue 4GL-By			Vat brilliant violet RR Paste-c-B		
474	Oxamine green B	100		Vat brilliant violet RR dbl. paste-B		
	Minaxo green BX-B			Vat violet RR dbl. paste-B		
496	Setogaucine	1,102	768	Indanthrene violet B	700	
	Setogaucine 753-nc-G			Antha violet B paste-B		
503	Neptune green	1,502		Helindone violet IB paste-M		
	Brilliant acid green 6B-c-By					
504	Eriogividine B supra-c-G		778	Alizarin, synthetic paste	4,494	
	Guinea fast green B-A			Alizarin VI extra pure paste-c-B		
	Poseidon green 6GX-B		779	Alizarin orange	1,197	
505	Light green (yellowish)	300		Alizarin orange RP paste-By		
	Acid green extra conc.-C		784	Alizarin SX paste-c-B	2,180	
506	Erioglaucine	11,023		Alizarin cyanine	798	
	Erioglaucine AP-G			Alizarin cyanine NS paste-By		
515	Methyl violet	201	790	Alizarin cyanine WRB paste-By		
	Methyl violet base-By			794	Anthracene blue SWR pdr.-B	100
	Methyl violet NFB-B			Cibanon black	2,205	
516	Crystal violet	246		Cibanon black 2B paste-I		
	Crystal violet extra pdr.-B					
524	Acid magenta-C	500	804	Alizarin blue S pdr.-nc-By	400	
548	Patent blue	1,628	814	Algol yellow WF (s.s)-By	8	
	Poseidon blue BGX conc.-B		815	Algol red 5G (s.s)-nc-By	16	
545	Patent blue A	1,200	817	Algol yellow R (s.s)	5,266	
	Brilliant acid blue A-c-By			Helindone yellow IGK paste-M		
	Poseidon blue B ex.-nc-B			Vat yellow GK paste-nc-By		
548	Acid violet 6BN	100		Vat yellow GK pdr.-By		
	Acid violet 6BN-OO-B		819	Algol red FF, R (s.s)	1,207	
553	Eriochrome cyanine	551		Algol brilliant red 2B pdr.-By		
	Eriochrome cyanine RC-nc-G			Algol red R extra paste-nc		
556	Coralline red	560		Algol red R extra pdr.-nc		
	Aurine-Le		820	Algol brilliant violet R (s.s)	2,750	
557	Chrome violet	110		Helindone brilliant violet IRK paste		
	Chrome violet 905-nc-G			M		
559	Victoria blue B	894		Vat brilliant violet RK paste-nc		
	Victoria blue B base-I			—By		
	Victoria pure blue B-OO-B			Vat violet BR paste-Gr-E		
562	Fast acid blue	406	821	Algol brilliant violet 2B (s.s)	1,399	
	Brilliant wool blue FFR ex.-nc-By			Algol blue 3R pdr.-By		
564	Naphthalene green	1,102		Helindone brilliant violet IBBK		
	Eriogreen B supra-c-G			paste-M		
565	Acid blue B	300		Vat brilliant violet BBK paste		
	Wool blue 5B-A			—nc-By		
	Wool blue G extra-A		822	Algol brilliant orange FR (s.s)	3,148	
571	Rhodamine 6G (single strength)	2,020		Helindone orange IRRK paste-M		
	Rhodamine 6GD extra-B			Vat brilliant orange FR pdr.-B		
	Rosazeine 6G extra-M			Vat yel'ow G dbl. paste-B		
573	Rhodamine B (single strength)	7,915		Vat yel'ow G dbl. paste-By		
	Rhodamine B extra-c-B		823	Algol brilliant orange FR (s.s)		
576	Rhodamine 3G	200		Helindone orange IRRK paste-M		
	Rhodamine scarlet G-By			Vat brilliant orange FR pdr.-B		
579	Xylene red	25		Vat orange RRK paste-nc-By		
	Sulphur rosazeine B ex.-M			Vat orange RRK pdr.-nc-By		
580	Fast acid violet B	300		Vat orange RRK pdr.-nc-By		
	Fast acid violet B-M		825	Algol red B (s.s)-By	16	
	Fast acid violet R-M		826	Indanthrene claret B paste-B	165	
603	Acridine orange	1	830	Indanthrene red R	456	
	Acridine orange DHE-DH			Antha red RT paste-B		
609	Homophosphine OO	2,235		Indanthrene red IBN (s.s)	7,008	
	Corioflavine RR ooo-Gr-E			Helindone red IBN paste-M		
613	Quinoline yellow N ex. conc.-By			Helindone red IBN ex. pdr.-M		
617	Columbia yellow	441		Vat red BN paste-B		
	Diphenyl chlorine yellow FF supra-c-G			Vat red BN ex. paste-nc-B		
618	Thiofavine T	330		Vat red RK paste-B		
	Thiofavine T-C			Vat red RK paste fine-B		
627	Anthracyanine	220	832	Indanthrene violet BN (s.s)	3,688	
	Anthracyanine S-nc-DH			Helindone violet IBN paste-M		
635	Modern violet-DH	220		Vat violet BN paste-B		
645	Gallazine	441		Vat violet BN ex. paste-B		
	Gallazine No. 90-nc-DH			Vat violet BN pdr.-B		
658	Fast black	441	833	Algol olive R (s.s)	5,990	
	Gallophepine P-nc-By			Vat olive R paste-B		
661	Thionine blue	200		Vat olive R pdr.-By		
	Thionine blue CO-M					
663	New methylene blue	545	834	Algol gray	67	
	Azo carmine	1,060		Vat gray BR paste-Gr-E		
672	Azo carmine GX-nc-B	600		Indanthrene blue RS (s.s)	900	
	Rosinduline 2B bluish-K	661		Vat blue RSP tr. pdr.-B		
673	Azo carmine B	1,500	840	Indanthrene blue 3G	929	
	Indocyanine B-A			Helindone blue I 3G paste-M		
674	Hydron blue (s.s.)	1,500		Vat blue 3G paste-B		
	Hydron blue R pdr.-C			Indanthrene blue GCD (s.s)	11,708	
748	Anthraflavone G (s.s.)	18		Indanthrene blue GCD dbl. paste-B		
	Anthra yellow GC paste-B			Indanthrene blue GCD dbl. paste-B		
759	Anthra yellow GC pdr.-nc-B	6,270		Vat blue GCD dbl. paste-B		
	Helindone yellow AGC paste-M					
	Helindone yellow AGC pdr.-M					
760	Indanthrene golden yellow G (s.s.)	220				
	Helindone yellow IG dbl. paste-M					

(Continued on Page 99)

## The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 124-149

### PRUSSIATE DOWN TO 10½c AFTER RISE

Soda Up to 10½c@11c, Followed by Drop on Release of Large Holdings—Market Excited by Speculation—Potash Prussiate Back to 18c—Oxalic Higher—Bichromates Up Slightly—Copper Sulfate Easier—Makers Meeting Foreign Barium Competition

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced						
Copper Carbonate, ½c lb.	Sodium Fluoride, ½c lb.					
Lead Pigments, ½c lb.	Sodium Prussiate, 1c lb.					
Potassium Bichromate, ½c lb.	Sodium Silicofluoride, ½c lb.					
Potassium Perchlorate, ½c lb.	Sodium Nitrate, ½c per 100lb.					
Sodium Bichromate, ½c lb.	Zinc Chloride, ½c lb.					
Ammonium Chloride, ½c to 1c lb.						
Declined						
No Declines						
Trend of the Market						
	Last Week	Last Month	Last Year	War Peak	War	Pre-
	Today					War

Acetic Acid, Glacial...lb.	\$11	\$11	\$11	\$12½	\$19½	\$9
Sulfuric Acid, 66 deg...ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	2.90	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.50	9.50	1.50
Copper Sulfate, c/l 100lbs.	4.65	4.65	4.60	4.65	20.00	4.50
Potash Caustic, Imp...lb.	.07½	.07½	.07½	.06½	.87	.08
Soda Ash, 58 p.c...100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate...lb.	.08½	.08½	.08½	.09½	.65	.06½
Sodium Prussiate, Imp...lb.	.11	.10	.09	.11½	1.25	.18
Average	2.928	2.927	2.921	3.005	10.79	2.99

Active speculative buying in prussiates with consumers appearing in the market in increasing numbers to cover their needs for the moment and thereby bringing some real strength into the situation, featured the market for industrial chemicals this week. The bull movement, which started about three weeks ago when an attempt was made to buy up all spot stocks, reached a high point Monday when domestic quotations were withdrawn and dealers eagerly grabbed offerings of soda at 10½c lb., and consumers considered it a favor to be allowed to buy at 10½c lb. Factors in the trade now predict a price of 14c lb. for soda by May. Potassium prussiate was also found to be in very strong hands and no domestic goods were offered. Imported material on spot was held at high levels. Many holders who bought soda at 12c lb. were reported to be at last unloading. Quotations from abroad were offered in only a few cases. Little interest was displayed in other products and trading continued to be done in a routine way. Barium chloride and carbonate remained fairly steady, but copper sulfate was easier. Copperas was firm and in active demand, and potash alum continued strong. Ammonium chloride was slightly lower on spot, owing to an accumulation of stocks.

**Acetone**—Moving in satisfactory volume at manufacturers' quotations of 12c lb. in tanks; 12½c lb. in carlots of 750 lb. drums; 13c@13½c lb. in less than carlots; and 14c lb. in 350 lb. drums

**Acid Acetic**—Continues strong at unchanged quotations of \$3.12@\$3.37 per 100 lb. for 28%; \$5.85@\$6.10 for 56%; and \$11.01@\$11.76 for glacial.

**Acid Formic**—Steady demand reported at recent levels of 10½c@11c lb. for the 85% material, and 11c@11½c lb. for the 90% grade.

**Acid Lactic**—Makers report increasing demand at unchanged quotations of 5½c@6c lb. for dark 22%; 6½c@

7c lb. for the light; 44%, 11½c@12c lb. for the dark, and 13½c@14c lb. for the light; for 66%, 18½c@19c lb. for dark, and 28c@30½c lb. for light.

**Acid Oxalic**—Market firm at slightly higher levels and factors now name 10½c@11c lb. Future is doubtful and holders are quite willing to unload at these figures, although domestic makers continue to refuse quotations.

**Acid Sulfuric**—Manufacturers report a greatly increased demand at unchanged quotations for the 60° material of \$9.00@\$9.50 per ton in tanks at works.

**Alum Potash**—Continues firm at \$2.75@\$3.00 for spot goods, and \$2.65 for shipment.

**Ammonium Chloride**—Imported very quiet over the week and lower figures are now named. White is available at 5½c@6c lb.; gray at 7c@7½c lb.; and lump is holding steady at 12c@12½c lb.

**Aluminum Sulfate**—Continues quiet with makers quoting \$2.00 per 100 lb. for iron-free and domestic material reported changing hands from large makers at prices equal to the imported levels, which are \$1.75.

**Arsenic**—Situation unchanged with absolutely no interest shown anywhere. Goods continue to be offered freely on spot at 6½c@6½c lb. with considerable shading likely on a firm offer. Supplies offered openly in certain quarters at 6c lb. did not even bring a bid.

**Barium Salts**—Chloride reported holding at recent rise to \$65.00@\$67.00 per ton spot for imported. Domestic is quoted at \$70.00@\$75.00 per ton, but it is definitely known that imported prices have been met in the recent market and that domestic material was sold from makers as low as \$60.75 per ton, and business is now being done at prevailing quotations for imported material. Barium carbonate continues steady at \$54.00@\$57.00 per ton.

**Bleaching Powder**—Shipments against 1925 contracts slow owing to consumers taking in large quantities in December at 1924 contract prices. Quotations on contract are \$1.90 for carlots of large drums at works; \$2.05 for 1.c.; and 10c higher for spot material.

**Butyl Alcohol**—The domestic manufacturer reports a continuation of the sold-up condition at recently advanced quotations of 26½c lb. in tanks, and 28½c@30c lb. in drums.

**Copperas**—Active demand reported by makers at unchanged quotations of \$13.00@\$16.00 per ton for bulk carlots at works; \$16.00@\$19.00 in bags; and \$17.00@\$20.00 in barrels.

**Copper Sulfate**—Easier and material continues to change hands at \$4.50 per 100 lb. Manufacturers name \$4.65 in some quarters, and \$4.85 in others, but they are meeting competition and all are selling as low as \$4.50 in carlots.

**Lead Products**—All pigments were advanced ½c lb. on all packings during the week. Acetate of lead has been increased in some quarters but old prices are still quoted by some leading manufacturers.

**Potash Caustic**—No new developments and domestic and imported material continue to bring 7½c@7½c lb.

**Potassium Carbonate**—Quotations unchanged from importers and calcined is named at 5½c@6c lb. for 80-85%; and 6½c@6½c for the 96-98% material.

**Potassium Perchlorate**—Spot market bare and shipment for March-April quoted at 10½c lb.

**Prussiates**—After a rise to 10¾c@11c spot for imported soda prussiate, following withdrawal of domestic quotations, a large holder broke this price down to 10½c late Tuesday with offers of any quantity for immediate shipment. Rumors flew thick and fast and speculation excited the market. Sales were made back and forth between leading factors, and talk of 14c by May was common. Shipment cabled from England on Tuesday at 10¾c, duty paid, New York for Feb.-Mar. Along with the drop in soda, yellow potash prussiate dropped from 18½c back to 18c lb. Sales were reported Tuesday at 19c, but this was before the drop. In the case of soda prussiate, spot stocks of any quantity are reported concentrated in one or two hands in New York who are in a strong position owing to rising sterling and short interest abroad.

**Soda Ash**—Deliveries reported at low point on 1925 contracts at prevailing quotations of \$1.25 bulk in car- lots, \$1.38 in bags, and \$1.63 in barrels for the 58% light material.

**Sodium Bichromate**—Firmer and now quoted at 6½c @7c lb. for both imported and domestic material.

**Soda Caustic**—Quotations on contract are \$3.10 in car- lots at works for 76% solid; 1.c.l. for solid \$3.75@\$3.91; and for flake and ground \$4.16@\$4.31.

**Sodium Nitrate**—Advanced further owing to still higher levels for sterling, and holders now name \$2.62 for spot goods, and \$2.64@\$2.66 for futures.

**Zinc Chloride**—Imported higher and now quoted at 7c@7½c lb. owing to higher levels abroad.

## OUTPUT OF WOOD CHEMICALS DOUBLED

Companies engaged in wood distillation and charcoal manufacture reported a total output valued at \$29,695,423, an increase of 206.8 per cent compared with \$9,677,552 in 1921, according to the Census Bureau. The total for 1923 was made up as follows: Crude methanol (wood alcohol), 6,988,794 gallons, valued at \$4,131,931; refined methanol (wood alcohol), 5,085,884 gallons, valued at \$4,846,276; acetate of lime, 144,588,686 pounds, valued at \$4,823,403; charcoal, 45,885,143 bushels, valued at \$8,851,229; turpentine distilled from wood (not from the gum), 2,607,364 gallons, valued at \$2,014,666; rosin distilled from wood (not from the gum), 358,532 barrels, valued at \$1,368,085; other products, methyl acetone, formaldehyde, acetic acid, acetone, ketone, tar, tar oils, wood creosote pine oil, valued at \$3,659,833.

Of the 123 establishments reporting for 1923, 77 were engaged in the distillation of hard woods, 26 in soft- wood distillation, and 20 produced charcoal without recovery of by-products. These establishments were distributed as follows: 34 in Pennsylvania, 18 in New York, 14 in Michigan, 7 each in Alabama and Georgia, and the remaining 43 in 18 other States.

## UNION SULPHUR SELLS OLD PLANT SITE

Union Sulphur Co. has closed down its plants at Sulphur near Lake Charles, La., and the acreage has been sold to a realty company. The reason for shutting down of the plant is stated to be a realization that the properties were exhausted as far as sulfur production is concerned. The mine has been under continued operation for almost 20 years, and practically all its production came from this property.

## DECEMBER DYE IMPORTS

(Continued from Page 97)

Schultz No.	Dye & Maker	Quantity Pounds	Schultz		Quantity Pounds	Dye & Maker	Quantity Pounds
			No.	Dye & Maker			
893	Alizarin indigo G paste—B	1,193	893	Alizarin indigo G paste—nc—By...	1,193	Mars red ATX—B	100
894	Alizarin indigo B (s.s.)	2	894	Alizarin indigo B pdr.—By...	2	Radio black SB—C	200
	Alizarin indigo green B pdr.—By...			Alizarin indigo violet B pdr.—By...		Sulphon orange G—By	200
	Ciba pink B paste—I			Ciba pink B (s.s.)		Sulphon yellow R—c—By	441
901	Ciba violet B (s.s.)	16,530	901	Helindone brown (s.s.)	550	Supramine red B—By	200
904	Helindone brown (s.s.)	550	904	Helindone brown G paste—M		Supramine red 2 G—nc—By	221
	Helindone brown G pdr.—M			Helindone brown G paste—M		Supramine yellow R—By	441
907	Ciba scarlet (s.s.)		907	Ciba scarlet (s.s.)		Wool black BR—nc—By	1,103
	Helindone fast scarlet C paste—M			Helindone fast scarlet C paste—M		Wool fast blue BL—By	1,257
	Thioindigo scarlet 2G paste—K...			Thioindigo scarlet 2G paste—K...			
908	Ciba red paste—I		908	Ciba red paste—I			
910	Helindone pink		910	Helindone pink BN paste—M	1,000	Algol blue CF (s.s.)—By	8
	Helindone pink BN paste—M		912	Thioindigo red B (s.s.)	720	Algol brilliant pink FB pdr.—By	99
	Anthra red B paste—B		912	Thioindigo red B (s.s.)	720	Algol pink TR (s.s.)—By	16
	Ciba pink B paste—B		912	Anthra red B paste—B	220	Alizarin indigo 7 R pdr.—By	2
913	Helindone orange R		913	Ciba pink B paste—B		Alizarin indigo black B paste—nc—By...	110
	Hydron orange RF paste—C		913	Durindone red B paste—nc		Alizarin indigo brown R paste—nc—By...	2,293
915	Helindone fast scarlet R (s.s.)		915	Durindone red B pdr.—nc		Alizarin indigo red B pdr.—By	1
	Helindone fast brilliant R pdr.—nc—M		915	Helindone fast scarlet R (s.s.)	2,051	Ciba pink BG—I	1,102
	Hydron orange RF paste—C		918	Helindone red 3B (s.s.)		Helindone claret red B paste—M	200
918	Vat orange RF paste—B		918	Durindone red 3B paste—nc—BD...		Helindone pink B extra paste—M	
	Vat orange RF paste—B		918	Durindone red 3B pdr.—nc—BD...		Helindone pink B extra pdr.—M	
	Vat brown R pdr.—B		920	Helindone fast red 3B paste—M		Helindone pink R extra paste—M	
	Vat brown R pdr.—B		920	Vat red violet RH paste—B		Helindone printing black RD paste—M	7,500
921	Indanthrene red violet RRN...	368	920	Helindone fast violet (s.s.)		Helindone red 15 GK paste—M	200
	Vat red violet RRK paste—Q		921	Helindone fast violet (s.s.)		Hydron brown GR paste—nc—C	1,325
923	Helindone brown AN	200	921	Helindone fast violet RH paste—B		Hydron navy blue C paste—C	150
	Helindone red brown IR paste—M...		922	Helindone violet 2B pdr.—M		Hydron pink (s.s.)	732
924	Indigo, synthetic	1,076	922	Fur blue black B—A		Hydron pink FB pdr.—C	
	Indigo—nc—Q		922	Fur yellow brown G—C		Hydron pink FF pdr.—C	
926	Indigo, white	55	923	Ursol		Hydron starlet (s.s.)	1,996
	Indigosol 04B—DH		923	Fur blue black B—A		Hydron starlet 2 B paste—nc—C	
921	Brilliant indigo 4B (s.s.)	4,042	923	Fur blue black B—A		Hydron starlet 2 B pdr.—nc—C	
	Brilliant indigo 4B paste—B		924	Hydron starlet 3 B paste—C		Hydron starlet 3 B paste—C	
	Brilliant indigo 4B pdr.—B		924	Hydron violet (s.s.)		Hydron violet (s.s.)	100
	Brown indigo FR pdr.—By		924	Hydron violet B pdr.—C		Hydron violet R pdr.—C	
	Indigo MLB, 4B paste—M		924	Hydron violet R pdr.—C		Hydron yellow NF paste—C	1,500
922	Helindone green G (s.s.)	350	924	Kiton fast red 4 BL—nc—I	445	Indanthrene black BGA (s.s.)	882
	Helindone green G paste—M		924	Kiton fast red 4 BL—nc—I	445	Vat black BGA dbl. paste—B	
			925	Indanthrene blue BCS (s.s.)		Indanthrene blue BCS (s.s.)	1,220
			925	Helindone blue IBCS pdr.—M		Indanthrene blue BCS pdr.—B	
			925	Indanthrene blue BCS pdr.—B		Vat blue BCS pdr.—B	
			925	Vat blue BCS pdr.—B		Indanthrene blue RZ (s.s.)	1,624
			925	Vat blue RZ dbl. paste—c—B		Vat blue RZ dbl. paste—c—B	

(Continued on Page 101)

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, See Chemicals, pages 124-149

### PYRIDINE SHARPLY HIGHER ON SPOT

Holders Now Quote \$4.10 Per Gal.—Other Crudes Unchanged—Benzene Steady—Solvent Naphtha and Toluene Scarce—Intermediates Generally Strong—Para-Nitroaniline Quoted Lower From Makers—Ortho-Toluidine Firm—Aniline Oil Unchanged—Beta-Naphthol Increase Unlikely—Dimethylaniline Quiet

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Pyridine, 30c gal.
	Declined	Para-nitroaniline, 4c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	War	Pre-
Benzene, pure	gal. \$25	gal. \$25	gal. \$25	gal. \$20	gal. \$1.10	gal. \$25	
Naphthalene, flake	lb. .05%	lb. .05%	lb. .05%	lb. .05%	lb. .16	lb. .03	
Phenol, Spot	gal. .24	gal. .24	gal. .25	gal. .25	gal. 1.50	gal. .08	
Toluene	gal. .26	gal. .26	gal. .26	gal. .22	gal. ..	gal. ..	
Aniline Oil	lb. .16	lb. .16	lb. .16	lb. .16	lb. 1.40	lb. .10%	
Alpha-naphthylamine	lb. .35	lb. .35	lb. .35	lb. .35	lb. 1.28	lb. ..	
Benzaldehyde	lb. .70	lb. .70	lb. .70	lb. .75	lb. ..	lb. ..	
Betanaphthol	lb. .24	lb. .24	lb. .24	lb. .26	lb. 1.50	lb. .06	
Dimethylaniline	lb. .33	lb. .33	lb. .35	lb. .39	lb. 1.30	lb. ..	
Paranitroaniline	lb. .62	lb. .66	lb. .66	lb. .70	lb. 1.58	lb. .18	
Average	..... 0.324	..... 0.324	..... 0.327	..... 0.344	.. ..	.. ..	

Pyridine featured the market for crudes during the week when holders in all quarters advanced their quotations owing to a slight spot demand and reports of buying in Europe. Other products remained at a standstill while factors who were naming prevailing quotations on phenol reported absolutely no orders at those levels. Benzene and other coke oven crudes registered but little change. Benzene is reported in increased supply; toluene continues to move in greater volume; and solvent naphtha remains in steady demand. The entire list of intermediates, was reported strong with the exception of para-nitroaniline. Lower levels are now named openly for this product and as yet it is rather unsettled. Makers report only a slight improvement in the volume of trading, but hope for a material increase about the middle of the present month. Dyestuff demand is described as spotty, and competition continues to prevent prices from showing any improvement.

#### Crudes

**Benzene**—Production showed considerable improvement during the week, and all indications of shortages have entirely disappeared, with large spot supplies now available. The demand for pure and 90° benzene is said to have lessened materially during the past two or three weeks, but this is believed to be due to inventory period. Contracts are reported closed both at firm prices shaded from present levels, and also at the market quotations at time of shipment within a specified range. One of the largest buyers is reported to have covered requirements for 1925, and other large buyers are also said to have closed contracts. Quotations unchanged at 25c@30c gal. for pure at mills, and 23c@28c gal. for the 90° material.

**Cresylic Acid**—Demand reported at standstill with holders of both imported naming recent levels of 55c@60c gal. for 95% dark; and 60c@65c gal. for 97-99% pale.

**Naphthalene**—Contract closing reported quiet and spot business dull. Manufacturers continue to hold supplies firm, however, and still name 5½c@6c lb. for flake, and 6½c@7c lb. for balls.

**Phenol**—Market continues rather unsettled with open quotations unchanged and lower prices still reported done in some quarters. Manufacturers generally continue to name 23c@26c lb. as to packing, and sales are reported as low as 21c lb.

**Pyridine**—Much stronger and higher owing to slight increase in spot demand and reports of buying in Europe. Factors recently naming lower figures have advanced to \$4.10@\$4.25 per gal. spot, and it is doubtful if lower quotations can be obtained.

**Solvent Naphtha**—Supplies continue scarce and orders at present are said to be equal to the output for the next sixty days. Fairly heavy booking of orders indicates that no further supplies will be available for the next sixty to ninety days. Quotations unchanged and factors name 24c@25c gal. in tanks, and 29c@30c gal. in drums.

**Toluene**—Although output is reported increased, spot supplies are reported scarce, and buyers in the market are said to be unable to receive immediate shipment. Factors report no difficulty in obtaining full current quotations of 26c gal. in tanks at mills, and 31c gal in drums.

**Xylene**—Considerable increase in buying has been noted over the week, especially on the commercial grade. Inquiries for the 5 and 10 degree grades have been plentiful since the first of the year and that has tended to make supplies rather scarce just now, although the business is reported as having been done at prices several cents below prevailing quotations. Factors quote 25c@26c gal. for 10°, in tanks; and 30c@35c in drums; for 5°, 30c@31c in tanks, and 35c@40c gal. in drums.

#### Intermediates

**Acid Cleve's**—Makers report a steady demand at recently lowered quotations of 95c@97c lb. as to quantity.

**Acid Gamma**—Slight routine demand reported by manufacturers who continue to name \$1.40@\$1.50 lb.

**Acid H**—Quiet at recently lowered prices of 70c@76c lb.

**Acid Monosulfonic F Delta**—Holding at unchanged levels of \$2.10 lb. in 50 lb. tins.

**Acid N & W**—Reported steady at unchanged manufacturers' prices of \$1.00@\$1.05 lb.

**Acid Naphthionic**—Continues quiet with makers holding prices at recent levels of 62c@65c lb. as to quality in bbls. at works.

**Aniline Oil**—Maintaining a steady position with prices firm but an increase in price is now quite remote. Makers are reporting a steady increase in shipments on contracts at quotations of 16c@17c lb.

**Beta-Naphthol**—Holding at recent levels and, while rather strong, no advance is considered likely for the coming quarter at least. Makers quote 22c lb. in carlots, and 24c in smaller shipments on contract and spot.

**Dimethylaniline**—While unchanged quotations are named by some makers, the lower levels are said to have been quite generally met. Prices are named at 33c@35c lb., and 32c is said to be possible in carlots.

**Nitrobenzene**—Steady request reported at unchanged levels of 9c@9½c lb. for crude, and 9½c@10c lb. for the redistilled material.

**Ortho-toluidine**—Active demand continues at recently increased quotations from makers of 18c@19c lb.

**Para-nitroaniline**—Lower from makers and quotations are now given at 62c@65c lb. in most quarters. Market rather unsettled as yet.

**Para-toluidine**—Quiet with spot demand small but prices firm at recent reduction to 70c@75c lb. in barrels.

Hearings on a motion for the discharge from bankruptcy of Atlantic Dyestuff Co. in the United States District Court, Concord, N. H., have been set for Jan. 26 at 3:00 P.M.

## DECEMBER DYE IMPORTS

(Continued from Page 99)

Dye & Maker	Quantity Pounds	Dye & Maker	Quantity Pounds	Dye & Maker	Quantity Pounds
Indanthrene brown (s.s.)	10,737	Benzo red 12 B—By	440	Stone fast yellow 10 G lumps—B	100
Helindone brown IG paste—M		Benzo rubine SC—nc—By	50	Tero black FB—B	200
Helindone brown IG pdr.—M		Brilliant benzio violet 2 R—By	200	Unclassified Dyes	
Helindone brown IGG paste—M		Brilliant fast blue 3 BX—By	200	Trident red RXX—B	100
Vat brown G paste—By		Brilliant sky blue 2 RM—nc—By	1,001	Uranol R base—By	1
Vat brown G pdr.—By		Celatine red—nc—BD	100	Viridine base—By	1
Vat brown GG paste—By		Chlorantine fast blue 2 GL—I	3,417		
Vat brown RT paste—By		Chlorantine fast green B—I	661	Color Lakes of Coal-Tar Origin	
Indanthrene brown 3 R	620	Chlorazol fast brown RK—nc—BD—	486	Alizarin lake RLS—c	197
Helindone brown 13R paste—M		Developed brilliant green 3 G—By	441	Anthosine lake B pdr.	551
Vat brown 3 R paste—B		Developed yellow 2 G—By	1,371	Chambertine lake	2,000
Indanthrene golden orange 3 G (s.s.)	55	Developed indigo blue 4 GL—By	441	Madder lake	406
Vat golden orange 3G paste—nc—By		Developed light violet BL—I	220	Madder red pdr.	110
Vat golden orange 3G pdr.—nu—By		Diamine azo bordeaux BL—C	220	Permanent yellow H pdr.	100
Indanthrene green G (s.s.)	200	Diamine azo fast green G—C	100	Viridine lake 1026 H pdr.	603
Vat green G dbl. paste—nc—B		Diamine azo fast violet R—C	100		
Indanthrene pink B (s.s.)	11,724	Diamine brilliant violet B—C	1,200	Synthetic Aromatic Chemicals of Coal-Tar Origin	
Vat pink B ex. paste—B		Diamine brilliant cationine B—C	400	Name of Chemical	Quality Pounds
Vat pink B dbl. paste—B		Diamine fast brown G—nc—C	100	Acetophenone—o—Germany, England	101
Indanthrene pink R		Diamine fast redubine FB—C	100	Amyl propylacetate—o—England	1
Anthra pink R ex. paste—B		Diamine fast scarlet GG—C	100	Anisic aldehyde extra—France	11
Anthra pink R ex. pdr.—B	2,010	Diazamine b'ue 4 R conc—nc—S	205	Benzaldehyde—Holland	100
Indanthrene red GG (s.s.)	1,971	Diazanil pink B—M	882	Benzophenone—c—England	1
Helindone red IGG paste—nc—M		Diazo brilliant green 3 G—By	200	Benzyl acetate—c—Germany, France, Switzerland, Holland	1,906
Helindone red IGG pdr.—nc—M		Diazo brilliant orange 5 G extra—By..	379	Benzyl benzoate—c—Switzerland	400
Vat red GG paste—B		Diazo brilliant scarlet G extra—By..	466	Benzyl butyrate—c—England	1
Vat red GG paste—By		Diazo brilliant scarlet 2 BL extra—	441	Benzyl cinnamate—c—England	1
Vat red GG pdr.—By		nc—Q	441	Benzyl formate—c—England	1
Thioindigo rose RN ex. paste—K	220	Diazo brown 3 G, 6 G—By	200	Benzyl phenylacetate—c—England	1
Vat blue GCN pdr.—By	1	Diazo fast black SD—By	253	Benzyl valerianate—c—England	1
Vat printing black BR—By	11	Diazo fast blue 6 GW—I	551	Butyl phenyl acetate—c—England	1
Vat yellow GP pdr.—B	50	Diazo geranine B extra—By	200	Butyl salicylate—c—England	1
<b>Mordant and Chrome Dyes</b>		Diazo light green BL pdr.—By	200	Diethyl phthalate—c—Switzerland	1,100
Acid alizarin gray G—M	1,276	Diazo rubine B—nc—By	100	Dimethyl acetophenone—c—Switzerland	10
Acid chrome blue 3 G—By	220	Diazo sky blue 3 G, 3 GL—nc—By	200	Dimethyl hydroquinone—Switzerland	25
Alizarin bordeaux GP paste—nc—By	441	Direct safranine RW—I	200	Ethyl anthranilate—England	1
Alizarin cyclamine R paste—nc—By	308	Naphthamine light brown 2 G—K	798	Ethyl anthranilate—c—England	1
Alizarin fast blue BHG—nc—By	100	Oxamine claret BXX—B	6	Ethyl phenylacetate—c—England	1
Alizarin fast gray 2 BL pdr.—By	882	Oxamine light blue G—B	10	Gardenal—c—Holland	78
Alizarin light green GS conc—S	1,500	Sulfur Dyes	200	Heliotropine—o—Germany, Holland	1,481
Alizarin supra blue A—By	6	Katigene indigo CLGG extra—nc—By.	110	Hyacinth compound—Holland	50
Alizarin fast brown GL pdr.—By	6	Katigene indigo FR ex. conc.—By.	200	Indol—nc—France, Switzerland	8
Alizarin red WR paste—Q	888	Sulphur black brown GL extra—A...	110	Isobutyl salicylate—c—England	1
Brilliant chrome violet RG—DH	110	Sulphur catechol G—A...	200	Jacinthe absolute—c—Switzerland	110
Chromazurine E—DH	110	Trionol brown O—c—BD	122	Methyl acetophenone—c—England	1
Chrome fast blue BX—B	50	Brilliant acetoxy orange 3 R—nc—DH.	1	Methyl antranilate—o—Germany, Hol- land, England	285
Chrome fast blue FE—A	200	Brilliant rhodamine blue R—By	1	Methyl cinnamate—c—England	1
Chrome fast phosphine R—DH	110	Rhodamine sky blue 3 G—nc—By	100	Methyl hydroquinone—c—France	4 oz.
Chrome garnet B—nc—DH	88	Brilliant helio fast FFR extra—By	6	Methyl hydroquinone—c—Switzerland	20
Chrome sky blue B pdr.—By	105	Ceres black II lumps—By	100	Methyl hydroquinone—c—Holland	1,445
Chromocitonine 3 R—DH	220	Ceres blue I pdr.—By	6	Methyl hydroquinone—c—England	1,460
Chromorhodine BN—DH	440	Ceres brown I pdr.—By	6	Methyl ketone—nc—Switzerland, Holland, France	357
Chromoxane azurol BD—By	6	Hansa yellow 5 G pdr.—M	1		
Ericochrome green L—nc—G	220	Helio fast red RL pdr.—By	1		
Fast chrome green B—DH	55	Helio fast rubber LBK pdr.—By	1		
<b>Direct Dyes</b>		Helio fast violet AL—nc—By	1		
Azonine direct red G paste—C	100	Helio fast yellow H 5 G paste—By	1		
Benzol fast bordeaux 6 BL—nc—By	200	Helio fast yellow H 5 G pdr.—By	1		
Benzol light brown 3 GL—By	1,021	Helio fast yellow H 10 G pdr.—By	1		

## The Oil Market

Current Spot Quotations of Oils, Tallow, Greases, pages 149-150

### GREASES, TALLOW AND LARD OIL LOWER

Lack of Sufficient Demand in Some Quarters Brings Reduction—Other Animal Oils Unchanged—Chinawood Oil Easier—Cottonseed Oil Lower—Olive Oil Firm—Coconut Oil Shaded—Linseed Oil Quiet—Palm Kernel Oil Higher—Soya Bean Oil Scarce But Easier for Shipment—Vegetable Oils Generally Easier—Fish Oils Very Firm—Menhaden Oils Higher

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

##### Advanced

Menhaden Oils, 5c gal. Cottonseed Oil, 3c to 3½c lb.  
Palm Kernel Oil, 3½c lb. Greases, 3c to 1c lb.  
Rapeseed Oil, Blown, 2c gal. Lard Oil, 3c to 1c lb.  
Chinawood Oil, Shipment, 3½c lb. Rapeseed Oil, Refined, 3c gal.  
Coconut, Ceylon, 3c lb. Tallow, 3c to 3½c lb.  
Corn Oil, Crude, 3c lb.

##### Declined

Cod, Newfoundland, 2c gal. Grease, White, 3c lb.  
Corn Oil, refined, 3c lb. Neatsfoot Oil, 20c c.t., 3c lb.  
Cottonseed Oil, crude and P.S.Y., Oleo Oil, 3c to 3½c lb.  
3½c lb. Stearine Oleo, 3c lb.

##### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F.....	gal. .58	\$.60	\$.62	\$.68	\$1.26	\$.26½
Degras, American, bbl./lb.	.04½	.04½	.04½	.04½	.23	.08½
Lard No. 1 .....	gal. 1.02	1.02	.98	.88	2.90	.92
Menhaden, crd. tks. ....	gal. .60	.60	.58	.50	1.20	.33
Neatsfoot, 20 deg. c.t. ....	gal. 1.20	1.20	1.20	1.35	3.45	.95
Red Oil, distilled .....	lb. .11½	.11½	.10½	.09½	.17	.07
Stearic Acid, T. P. ....	lb. .16	.16	.14½	.13½	.33	.12
Coconut, Ceylon, bbls. ....	lb. .11½	.11½	.11½	.10	.90	.14
Cottonseed, crude, tks. ....	lb. .09½	.09½	.09½	.09½	.25	.08
Linseed, crude .....	gal. 1.15	1.15	1.13	.91	1.85	.57
Olive, denatured .....	gal. 1.30	1.30	1.30	1.12	4.50	1.05
Peanut, refined .....	lb. .16	.16	.17	.16	.30	.98
Soya Bean, bbls. ....	lb. .13½	.13½	.14	.11½	.19½	.07
Average .....		0.529	0.529	0.524	0.473	1.20
					0.362	

A general easing off on practically all vegetable and animal oils was noticed over the week due to a continued lack of demand from consumers and a cessation of speculative buying among dealers. Not many prices were lowered openly, but transactions were reported in several cases on odd lots at lower levels, due in some instances to weak holders, and in others to a desire to move stocks. Trading was reported to be quieter than in several weeks past and most dealers were content to mark time feeling confident that consumers would come into the market in great numbers within two weeks at the most. Linseed oil remained quiet as is usually the condition at this time of the year, and the seed markets were slightly easier. Chinawood oil was reported sold at lower than prevailing quotations, but the market generally remained at recent levels. In the face of the general quietness and easier conditions fish oils remained exceedingly firm and higher quotations are forecast for the very near future owing to the smallness of the Menhaden crop which for 1924 was only 40% of that of 1923.

#### Vegetable Oils

**Castor Oil**—Usual routine demand reported at unchanged quotations of 17½c lb. for No. 1, and 17c lb. for No. 2.

**Chinawood Oil**—Slightly easier during the week and a lot of 99 barrels changed hands at 15c lb. However, quotations are generally given at 15½c@15½c lb. for spot goods. Practically no goods are moving. January arrivals are named at 15½c@15½c lb. in barrels at New York, and tanks at the Coast are quoted at 13½c@13½c lb. Last week 1,134 barrels were received at New York.

**Coconut Oil**—In poor demand and spot goods have eased slightly for Ceylon. Holders now name 11c@11½c lb. in barrels and 10½c@10½c lb. in tanks for Ceylon, and 12c@12½c lb. in barrels and 11½c lb. in tanks for Cochin. Manila remains at 10c lb. in tanks at New York.

**Corn Oil**—Refined steady at 14c@14½c lb. Crude shaded to 10½c@10½c lb. in tanks at New York, and for barrels 12c lb. is named.

**Cottonseed Oil**—Lower quotations named on all grades, and Winter yellow is placed at 13½c@14c lb.; P.S.Y. at 11½c@11½c lb. as to position; and crude 9½c@9½c lb.

**Linseed Oil**—Very quiet as is usual at this time of the year. Prices holding at recent levels with seed markets showing little variation. Consumers are not expected to come into the market in any great numbers for the next two weeks. Crushers are naming \$1.15 gal. for Jan.-Feb.; \$1.16 for March-April; and \$1.17 for May-June in carlots at works. Lots of five barrels are quoted at \$1.19 per gal. Flaxseed markets were at close to recent levels with Winnipeg easier at \$2.71½ for May, and \$2.74 for July; Duluth firmer at \$3.05 for January, and \$3.06 for May; Minneapolis slightly higher with January and February \$3.08½; and May \$3.07½; Buenos Aires easier at \$2.40½. Linseed oil was quoted lower at London at 48/6; and higher at Antwerp at 437f.

**Olive Oil**—Steady demand reported for denatured at \$1.30@\$1.35 per gal. spot with stocks increased during the week due to the arrival of 3,524 barrels at New York. Edible remains at \$2.15@\$2.25 per gal.

**Olive Oil Foots**—Quiet but firm at unchanged quotations from holders of 10c lb. for spot goods and nearby positions. Shipments from new crops continue at 9½c@10c lb. Imports at New York last week were 500 barrels.

**Palm Oil**—Lagos steady at recent advance to 10c@10½c lb., and Niger firm at 9c@9½c lb. in barrels.

**Palm Kernel Oil**—Slightly higher owing to increased demand from consumers and factors now name 10½c lb. for spot material.

**Peanut Oil**—Refined holding at 16c lb.; and crude steady at 11½c lb.

**Rapeseed Oil**—Refined lower on spot at 9½c@9½c gal.; Blown higher owing to increased demand and small supplies. Prices are quoted at \$1.14@\$1.16 per gal.

**Sesame Oil**—Spot market remains bare but shipments for late January are quoted at 15½c lb.

**Soya Bean Oil**—Crude not available on spot and January arrivals are named at 13½c@14½c lb. in barrels, and 12½c lb. in tanks. Material is to be had at the Coast at 11½c lb. Refined is unchanged at 14c lb.

#### Animal Oils

**Greases**—Lower on all grades from manufacturers who now quote 12½c@14c lb. for choice white; 9½c lb. for yellow; 9c@9½c lb. for brown; and 9½c lb. for house.

**Lard Oil**—Edible prime reduced by makers and now quoted at 18½c lb. Off prime also cut and named at 18½c lb. Other grades holding at recent levels.

**Neatsfoot Oil**—Demand continues sufficient to absorb

all available supplies and prices remain at 18½c lb. for 20° c.t.; 15½c lb. for pure; 14½c lb. for extra; and 14½c lb. for No. 1.

**Oleo Oil**—Continues in poor demand and makers continue to quote recent low levels of 15½c lb. for No. 1; 14½c@15c lb. for No. 2; and 13½c lb. for No. 3.

**Red Oil**—Manufacturers report increasing demand at recently higher quotations of 11½c lb. in barrels, and 11c lb. in tanks.

**Stearic Acid**—Reported in steady demand from makers who quote 14c lb. for double pressed, and 16c lb. for triple pressed, both distilled and saponified.

**Tallow**—Edible lower owing to some makers being unable to report a sold-up condition as in other quarters, and now named at 11½c lb. City extra loose also reduced and named at 10½c lb.

#### Fish Oils

**Cod Oil**—Very firm at recent levels of 58c@60c per gal. of 7½ lb. Higher quotations are named in some quarters, and this product is considered a very good buy at present quotations owing to the shortness of the Menhaden crop and the active consuming demand foreseen.

**Menhaden Oil**—Crude not available and refined grades higher with light strained quoted at 75c@77c gal.; yellow bleached 78c@80c gal.; extra bleached 80c@82c gal.; and blown 11c lb. Crop for 1924 was 60,000 barrels against 124,000 for 1923, and 122,000 for 1922.

#### Naval Stores

(See Miscellaneous Raw Materials page 104)

The first official estimate of the 1925 linseed area in India is approximately 2,845,000 acres, according to a cable received by the United States Department of Agriculture from the International Institute of Agriculture. This is an increase of 10 per cent over the first estimate of 1924, which was 2,575,000 acres. The first estimate during the past ten years has averaged 80 per cent of the final area estimate. The final estimate last year was 3,730,000 acres. Argentina showed an acreage increase of 14 per cent in 1924 over 1923; United States, 63 per cent; Canada, 102 per cent; and India, 10 per cent.

Pratt & Lambert held a four day sales convention in Buffalo ending with a banquet at the Hotel Statler in that city.

#### DECEMBER DYE IMPORTS (Continued from Page 101)

Name of Chemical  
Quality  
Pounds

Musk PC—nc—Switzerland ..... 500  
Musk xylene—nc—Switzerland, Holland ..... 250  
Musk xylene residue—nc—Switzerland ..... 112  
Musk residue—nc—France, Holland ..... 241  
Phenylacetic acid—c—England ..... 1  
Phenylacetaldehyde—c—Germany ..... 100  
Phenylethyl acetate—c—Switzerland ..... 50  
Phenylethyl alcohol—c—France, Holland, Switzerland, England ..... 929  
Phenylpropionic aldehyde—Switzerland ..... 52  
Phenylpropyl alcohol—c—Switzerland ..... 10  
Vanillin—c—France ..... 10  
Yara yara (b-naphthol methyl ether, c—Switzerland, Germany, France, Medicinals, Photographic Developers, Intermediates and Other Coal-Tar Chemicals

Accelerator—Germany ..... 220  
Adrol—Germany ..... 25  
o-Anisidine—Switzerland ..... 110  
Antipyrine—nc—Belgium, Switzerland ..... 786  
Antipyrine tablets—nc—England .....  
Benzidine—Germany .....  
Benzoin acid tablets—c—England .....  
Benzoin acid—Germany .....  
Benzonaphthol—c—Germany .....  
Benzol chloride—c—Germany .....  
Beta naphthol compound—England .....  
Bromelia—Germany .....  
Cerebrine—c—France .....  
Cresidine—nc—Germany .....  
Cresol—c—Germany ..... 7  
Cresyl acid—England ..... 389,567  
Developer Z—c—Germany ..... 495  
Diamidophenol chlorhydrat—France. ..... 111  
Diphenylamine—Germany ..... 23,576  
"Disinfecting blockettes"—nc—England ..... 495  
Epinine—c—England ..... (140 CC)  
Eserine salicylate—nc—Switzerland ..... 6  
Eucalyptol guaiacol iodoform—nc—France .....  
Guaiacol carbonate—nc—Switzerland, Germany ..... 1,644  
Gaiarsol—nc—France .....  
Hexalin—c—Germany ..... 51  
Homatropine hydrochloride—c—England .....  
Imitation amber No. 1—Germany .....  
Katanol O—Germany ..... 11  
Leonil S—nc—Germany ..... 50  
Mercurial salicylate—Italy .....  
Methylhexalin—c—Germany .....  
Methyl-p-aminophenol—Germany .....  
Methyl salicylate—Germany .....

Name of Chemical	Quality Pounds	Name of Chemical	Quality Pounds
Benzoin acid—Germany	33	Monomethyl-p-aminophenol sulphate—Germany	450
Benzonaphthol—c—Germany	440	Monosulfonic acid F—Germany	500
Benzol chloride—c—Germany	22	Naphthalene—Germany	22
Beta naphthol compound—England	56	Naphthalol AS—c—Germany	5,025
Bromelia—Germany	56	Nitrobenzene—c—Germany	22
Cerebrine—c—France	.....	Oil of wintergreen—Germany	8
Cresidine—nc—Germany	306	Ortho chlorphenol—England	100
Cresol—c—Germany	7	Ortol—Germany	100
Cresyl acid—England	389,567	Paratol—Germany	2,000
Developer Z—c—Germany	495	Phenol—c—England	24,821
Diamidophenol chlorhydrat—France. ....	111	Phenol and menthol compound—c—England	.....
Diphenylamine—Germany	23,576	Phenyl-I-acid—nc—Germany	241
"Disinfecting blockettes"—nc—England	495	Phenylhydrazine hydrochloride—Germany	6
Epinine—c—England	(140 CC)	Phystostigmine salicylate—c—England..	.....
Eserine salicylate—nc—Switzerland	6	Potassium sulphoguaiacolate—nc—Switzerland	3,235
Eucalyptol guaiacol iodoform—nc—France	.....	Preventol—Germany	11
Guaiacol carbonate—nc—Switzerland, Germany	1,644	Quinazarine—c—Germany	165
Gaiarsol—nc—France	.....	Rapid fast pink LB, LG pastes—Germany	22
Hexalin—c—Germany	51	Resorcin, tech.—c—France, Germany	2,262
Homatropine hydrochloride—c—England	.....	Salicylic acid—England	53
Imitation amber No. 1—Germany	.....	Sodium iodide & guaiacol—nc—Italy	53
Katanol O—Germany	11	Sodium p-oxyphenyl arsenate—nc—France	1,137
Leonil S—nc—Germany	50	Sodium salicylate—c—Germany, England	182
Mercurial salicylate—Italy	.....	o-sulphanilic acid—nc—Germany	725
Methylhexalin—c—Germany	.....	Sugarin—Germany	1,000
Methyl-p-aminophenol—Germany	.....	Xylylidine—nc—Germany	421
Methyl salicylate—Germany	.....		

## Miscellaneous Raw Materials

Heavy Chemicals, pages 124-149; Tan and Dyestuff, pages 122-147; Fatty Oils, pages 149-150

### PRICES SHOW UPWARD TENDENCY

**Starches and Dextrines Higher—Myrobalans Scarce at Advanced Price—Tankage and Nitrate Show Strength in Fertilizer Group—Demand Gradually Expanding—Contract Shipments Heavy**

An upward tendency in prices for miscellaneous raw materials of the fertilizer, tanstuff, starch and dextrin groups has been apparent this week. The effect of gradually expanding demand from consumers is to tighten the market considerably. Although spot demand is larger, it is still held to limited proportions, and the great bulk of material moving into consumption is being shipped on contract. Contract deliveries this month have been reported heavy. The high prices of grains have brought further advances in starches and dextrines. Myrobalans are scarce in some grades and prices are higher on spot. In the fertilizer group, action is promised in the display of strength by tankage, nitrate of soda, and fish scrap. Development of weak spots has been confined to one or two scattered products.

### ACCELERATORS

**Aniline Oil—See Intermediate and Dye Market.**

**Diphenylguanidine—Demand has been more active than last week. Prices are unchanged, however, at \$1.10@\$1.15 lb. spot, and contracts at \$1.08 lb.**

**Hexamethylene—More interest has been shown by rubber manufacturers. Export demand also on increase. Quoted at 82½c@\$85c lb. spot. Reports are heard that some of the cheaper imported medicinal material is being turned into rubber makers' goods.**

**Thiocarbanilide—Quiet with holders inside at 27c@\$29c lb. spot.**

**Quinoiodine—In small demand at the moment at 40c lb. spot in drums.**

### ALBUMENS

**Egg Albumen—Market tight with prices continuing around their old value of \$1.35 for technical on spot.**

**Blood Albumen—No change reported in this market; moving at 50c@\$55c lb.**

### CLAYS AND FILLERS

**Blanc Fixe—Moving in fair volume at steady price of \$75@\$80 ton for dry, domestic material.**

**Clays—Fair activity reported at unchanged prices. Bulk filler clay quoted at \$12.50@\$17.00 ton, contains extra; bulk coating clay, \$18@\$22 ton and ground clay \$20@\$25 ton for imported. Domestic \$6@\$9 for crude and \$11@\$15 for washed and ground.**

**Talc—Moving in better volume with domestic named at \$13@\$15 ton for crude and \$16@\$18 refined. French, refined quoted \$35@\$45 and Italian white refined \$60@\$80.**

**Whiting—Steady volume of business being done. Domestic being quoted \$13@\$18 ton as to seller and amount. Imported \$18@\$21 ton.**

### DRY COLORS, COMPOUNDING MATERIALS

**Antimony Sulfurette—Makers report an active demand at 19c@\$24c lb. spot for golden as to quality, and 39c@\$50c lb. for crimson material. The first few days of the new year has seen a pick-up in volume.**

**Carbon Black—Makers report an increase in sales, and prices remain firm at 6c lb. works in c/l; 9½c@\$10c lb. spot in lc/l in cases for ordinary; 10½c@\$11c lb. for air floated; and 9½c@\$10c lb. for compressed material. Selling competition somewhat less.**

**Chrome Colors—Chrome yellows show a marked upward tendency due to recent advances in lead products, and 20c is now an inside price on C.P. chrome yellows. Green has been advanced in some quarters but is still obtainable at old prices of 29c@\$35c lb. as to shade for C.P., and 6c@\$11c for the commercial. Advances may be looked for in these colors also.**

**Lithopone—Moving in increased volume at steady prices. Manufacturers continue to name 6½c@\$6¾c lb. for domestic material as to quantity and packing; imported remains at 5¾c@\$6c lb.**

**Iron Oxide—This material continues firm at 3½c@\$7½c lb. for Spanish and 10c@\$12c lb. for English.**

**Sulfur—Prices remain firm at \$3.00@\$3.30 cwt. for rubber compounding material; and \$2.00@\$2.50 cwt. for refined material. Higher prices are talked of, but nothing definite has as yet been announced.**

**Vermilion—This material has recorded a further advance and now quotes at \$1.50 lb. in kegs. Advance due to increase in mercury market.**

**Zinc Oxide—Increase in metal market has strengthened this material. Prices are still unchanged, however, and makers are quoting 8½c@\$8¾c lb. for American; French 9½c@\$12½c lb.; green seal, 10c lb.; imported white seal, 12c lb.**

### DYE AND TAN WOODS

**Divi-Divi—Very little of this material to be had but business could be done in it at \$43@\$44 ton in bags for shipments.**

**Mangrove—Demand has been so slight in this that supplies have not been replenished. Prices nominal at \$40 ton.**

**Myrobalans—Not obtainable on spot. Material for shipment is quoted higher due mostly to the exchange market condition. Sellers are quoting J1, \$60@\$65 a ton in bags, a big advance over last week's quotation; J2, \$42@\$45 ton and R2, \$41@\$42. 1,000 bags were imported last week.**

**Sumac—A small amount of this floating on the market. Still hard to obtain with prices for Sicilian \$172@\$180 ton, domestic continues to be named at \$50@\$53 ton.**

**Valonia—Cups continue nominal at \$34@\$35 ton. Beard fairly active at a slight advance now quoting \$53 ton in bags. Mixtures somewhat freer at the higher price of \$41@\$42.**

**Wattle Bark—Spot market is clean. February and March delivery up to \$42.25 due to exchange market.**

### EXTRACTS

**Archil—Sellers still holding to \$13c@\$14c lb. for double, 16c@\$17c for triple and 18c@\$20c lb. concentrated.**

**Chestnut—Moving at 1¾c@\$2c lb. for clarified in tanks, and 2½c@\$2¾c lb. in barrels. No change reported in this situation.**

**Cutch—Rangoon continues to be quoted at 14c@\$16c**

lb., Borneo at 4½c@5½c lb. and liquid at 9c@11c lb. Little change in the market.

**Gambier**—Little variation in the market with common up to 20c lb., 25% liquid steady at 14c@15c lb., and Singapore cubes at 22c lb.

**Hematine**—Crystals continue to move in a normal manner at 14c@20c lb. Paste steady at 9½c@13c.

**Logwood**—Demand continues steady with unchanged price of 8½c@9c lb. for 51°, and 7c@8c for the lower grades. Solid steady at 12½c@16c lb.

**Myrobalans**—Recent increase in price of nuts has caused a rise in the extract. The 25% liquid now quoted at 4½c@5½c lb. in bbls., 50% solid up to 8½c lb. in 50 boxes.

**Osage Orange**—Increased demand reported with a probable future rise. Sellers still naming 7c@8c lb. for liquid and 14c@15c lb. for powdered.

**Quebracho**—Small increase for the solid. Now up to 4½c lb. for 65% in bales. 35% liquid steady at 3½c@4c lb. in tanks. No imports reported for last week.

### FERTILIZERS

**Ammoniates**—Increased activity reported with demand for tankage prominent at close of week. Dried blood continues to be quoted \$3.50@\$3.60 unit, f.o.b., N. Y., and \$3.60@\$3.75 Chicago. Bone steady at \$22@\$23 steamed, Chicago, and \$34, raw, New York. Fish scrap shows no change and little activity at \$4.50 and 10c unit dried and nominal at \$4.50 and 50c for acid. Tankage raised by increased demand to \$3.60 and 10c@\$3.75 and 10c, ground, New York, with market pretty well cleaned. High grade, Chicago, steady, at \$3.00 and 10c.

**Ammonium Sulfate**—Little activity reported pending opening of season. Prices hold at \$2.75@\$2.80 100 lb., bulk, works. Export demand nominal at \$3.00 f.a.s.

**Acid Phosphate**—Prices remain firm for the 16% guaranteed material at \$9.50 ton.

**Cyanamide**—Makers sold out to March and April. Spot \$1.95@\$2.00 per unit. March and April delivery \$1.85.

**Nitrogenous Material**—Active as any in fertilizer market. Quoted at \$3.10@\$3.25 c.i.f. Atlantic ports.

**Potash Salts**—No new developments. A few contracts being closed but dealers for the most part are marking time. Muriate, 80% basis \$34.55 ton; sulfate 90% basis \$45.85 ton; manure salts, 30% basis \$26@\$35 ton.

**Sodium Nitrate**—See Heavy Chemical Market Report.

### INSECTICIDES AND FUNGICIDES

**Arsenic**—See Heavy Chemical Market Report.

**Calcium Arsenate**—Large stocks are available with a very dull market. Makers holding supplies fairly firm at nominal price of 8c@9c lb.

**Copper Carbonate**—Prices advanced on basis of advance in metallic copper market. Demand still quiet. Now quoted 16½c@17½c lb. as to maker and quantity.

**Copper Sulfate**—See Heavy Chemical Market.

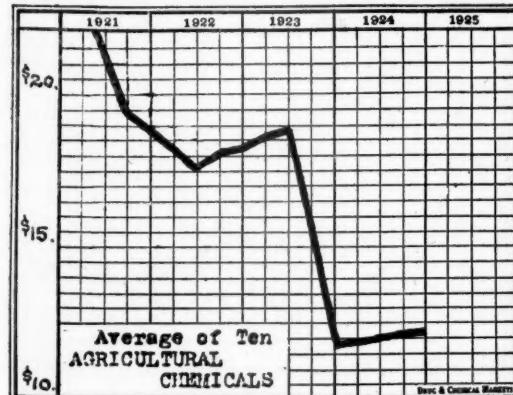
**Lead Arsenate**—Market continues very dull with makers holding firm at 16½c@20c lb. for immediate shipments from works, dry. Paste steady at 10c@11c lb.

**Paris Green**—Makers continue to produce pending an active market when season opens. Practically no business reported now. Makers holding price nominal at 25c lb. arsenic basis in kegs.

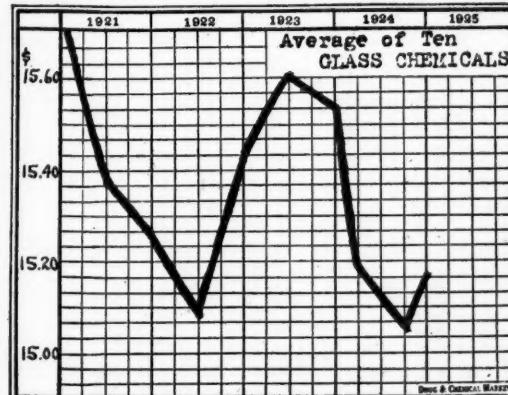
### METALS

Most prices continued to show a slight increase with a drop in antimony. Antimony continued active but closed at 17½c@17½c lb. spot, New York. Copper held to its ascent reaching \$15.12½@\$15.25 for lake per 100 lb., electrolytic standing at \$15.00@\$15.12½ and casting at \$14.50. Lead climbed to \$10.25@\$10.50 100 lb. New York and \$10.00@\$10.25 East St. Louis. Zinc after an inactive week closed practically where it was a week

### Agricultural Chemicals



### Glass Chemicals



#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	2.90	7.75	2.65
Arsenic .....	.064	.064	.064	.064	.134	.04
Copper Sulfate ....100lbs.	4.70	4.70	4.60	4.60	20.00	4.05
Paris Green .....	.25	.25	.25	.26	.50	.11
Potash Muriate, 90%....ton	34.55	34.55	34.55	35.55	..	..
Potash Sulfate, 90%....ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16%....ton	9.50	9.50	9.50	8.00	21.00	15.00
Phosphate, Rock 68%....ton	2.25	2.25	2.25	8.00	11.00	3.00
Sodium Nitrate ....100lbs.	2.62	2.60	2.45	2.51	5.00	1.90

Average ..... 11.653 11.651 11.606 11.241 103.50 13.84

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War	
Arsenic .....	100lb.	\$6.25	\$6.25	\$6.25	\$13.00	\$18.00	\$4.00
Fluorspar 96% c.i.f. ....ton	34.00	34.00	34.00	33.50	60.00	28.00	
Limestone, ground ....ton	4.50	4.50	4.50	5.00	8.50	4.00	
Litharge .....	100lb.	12.25	11.75	11.75	10.90	17.00	9.00
Salt Cake .....	ton	18.00	18.00	18.00	21.00	40.00	15.00
Silica, crude .....	ton	10.00	11.00	11.00	10.00	20.00	8.00
Soda Ash, dense ....100lb.	1.45	1.45	1.45	1.45	4.00	5.75	3.50
Sodium Silicofluoride 100lb.	4.25	4.00	4.00	6.00	10.00	8.50	—
Sodium Sulfate, anhyd.100lb.	3.00	3.00	3.00	3.50	8.00	2.50	—
Tin Oxide .....	100lb.	58.00	58.00	58.00	51.00	100.00	60.00

Average ..... 15.40 15.20 15.20 15.54 28.55 13.07

INDUSTRIAL CHEMICAL SECTION

ago at \$8.17 1/2@ \$8.20 spot, New York and \$7.82 1/2@ \$7.85 East St. Louis. Prospects for the future of the zinc market are reported exceedingly good.

#### NAVAL STORES

**Rosin**—No changes in general market conditions, stocks being light with active demand. General advance in prices shown. New York prices for grades B to G, \$8.20 per 280 lb.; H and I, \$8.25; K, \$8.30; M, \$8.50; N, \$8.75; WG, \$9.50 and WW, \$10.50.

**Pine Oil**—Routine movement reported with slight increase in prices to 66c lb.

**Tar**—Pine tar situation remained inactive with steady price of \$12 bbl.

**Turpentine**—Fairly active market reported by dealers but a slight decline in price shown. Closed for the week at 92c gal. New York.

#### SOLVENTS

Acetone held firm at the recently reduced price of 12c lb. and reported moving in steady volume. Carbon tetrachloride is unchanged at 6 1/4c@8c lb. as to quantity and is in a firm condition. Carbon bisulfide unchanged at 4c@6 1/4c lb. as to quantity.

#### STARCHES, DEXTRINES AND SIZES

**British Gum**—Prices continue to advance on account of the condition of grain market. Moving in increased volume at \$5.02@ \$5.12 100 lb.

**Casein**—Continues to be quoted at 45c lb. for edible and 10c@10 1/2c lb. for technical, spot, New York.

**Dextrin**—A greatly improved movement is reported in this material. Condition of grain market has forced a further advance of 5c throughout. White corn dextrin quoted at \$4.72@ \$4.82 100 lb. in bags; yellow, \$4.77@ \$4.87.

**Starches**—Continued advance reported, due to grain market. Moving in larger volume with powdered corn

starch \$4.17 100 lb. bagged, in carload lots; pearl \$4.07 and domestic potato starch 7 1/2c@8 1/2c lb.

#### SYNTHETIC DYE IMPORTS LESS IN 1924

Total Placed at 2,825,990 Pounds by U. S. Tariff Commission, Showing Decrease of 272,203 Pounds Below 1923 Imports—Value Estimated at \$2,830,698, a Decrease of \$320,665

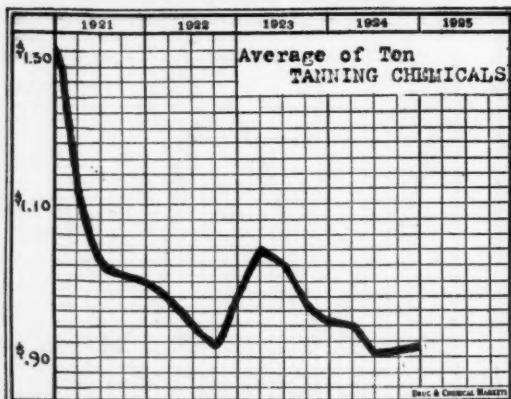
The imports of synthetic dyes during 1924 were 2,825,990 pounds, with a value of \$2,830,698, according to preliminary figures announced by the Tariff Commission. This represents a decrease of 272,203 pounds, and \$320,665, from that of 1923. The following table shows the imports of coal tar dyes for 1924 and for the years 1920 to 1923, together with the imports for the fiscal year 1914.

Year	Pounds.	Value.
1924 .....	2,825,990	\$2,830,698
1923 .....	3,098,193	3,151,363
1922 .....	3,982,631	5,243,257
1921 .....	4,252,911	5,156,779
1920 .....	3,402,582	5,763,437
1914 .....	45,950,895	9,502,714

The dyes of each class according to method of application imported in the largest quantity during 1924, together with the imports during the years 1923, 1922, 1921, 1920, and the fiscal year 1914, are shown in the following table. The 74 dyes contained in this table comprise 62 per cent of the imports during the year 1924.

Schultz Class and Name No. of Dye	1924	1923	1922	1921	1914
	pounds	pounds	pounds	pounds	pounds
Acid Dyes					
523 Fast Green .....	30,721	17,190	52,498	22,619	14,347
506 Erioglaucine .....	28,336	38,254	26,852	16,004	66,526

#### Leather Chemicals

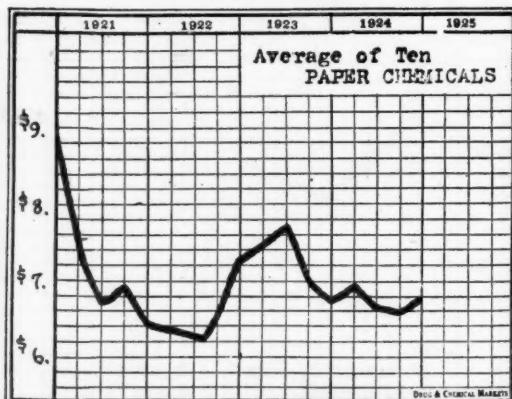


#### Trend of the Market

	Last	Last	Last	War	Pre-	
	Today	Week	Month	Year	Peak	War
Acid, Acetic, 26% .....	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.11 1/2	.11 1/2	.11 1/2	.14	1.80 1/2	.07
Acid, Lactic, 22% dark .....	.08 1/2	.06 1/2	.05 1/2	.04 1/2	.07	.02
Potassium Bichromate .....	.09 1/2	.08 1/2	.08 1/2	.09 1/2	.65	.06 1/2
Epsom Salt, tech. ....	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, Imp. ....	.11	.10	.09	.11 1/2	.12 1/2	.18
Soda Ash, 58% wks. ....	1.39	1.39	1.39	1.38	4.10	.60
Sodium Bichromate .....	.06 1/2	.06 1/2	.06 1/2	.07 1/2	.45	.04 1/2
Sodium Hyposulfite .....	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks. ....	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.10 1/2	.02 1/2

Average ..... .928 .926 .925 .981 3.267 .528

#### Paper Chemicals



#### Trend of the Market

	Last	Last	Last	War	Pre-	
	Today	Week	Month	Year	Peak	War
Aluminum Sulfate .....	\$2.00	\$2.00	\$2.00	\$2.40	\$5.50	\$1.50
Bleaching Powder .....	1.90	1.90	1.90	1.50	9.50	1.50
Casein .....	.10 1/2	.10 1/2	.10 1/2	.10 1/2	.12 1/2	.28
China Clay, Dom. ....	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05 1/2	.05 1/2	.05 1/2	.05 1/2	.04 1/2	.08
Salt Cake .....	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% .....	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks. ....	1.38	1.38	1.38	1.38	4.10	.60
Sulfur .....	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade .....	8.20	7.95	7.65	5.90	4.50	20.25

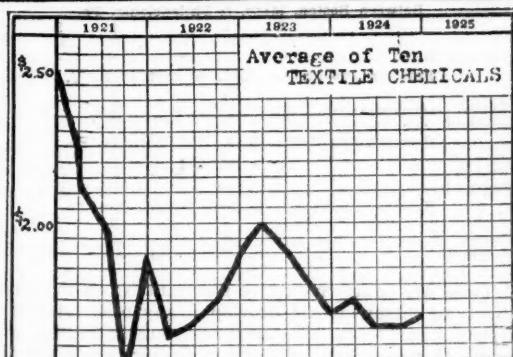
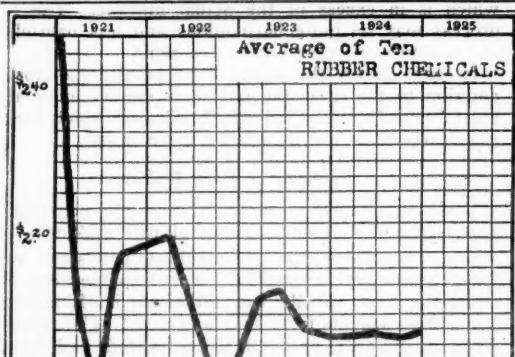
Average ..... 6.144 6.119 6.089 6.080 13.30 5.50

#### INDUSTRIAL CHEMICAL SECTION

Schultz Class and Name No. of Dye	1924 pounds	1923 pounds	1922 pounds	1921 pounds	1914 pounds	Schultz Class and Name No. of Dye	1924 pounds	1923 pounds	1922 pounds	1921 pounds	1914 pounds	
543 Patent blue .....	23,606	66,279	49,186	42,708	19,228	622 Delphine blue B.....	30,202	13,568	7,715	4,580	—	
22 Xylene light yellow..	23,247	46,886	12,937	60,422	23,074	449 Trisulphon brown B.	24,020	26,980	45,697	38,558	16,781	
220 Palatine black .....	12,050	33,500	11,406	14,850	29,274	Chlorantine fast	17,067	—	12,898	5,070	—	
182 Brilliant sulphur red	11,378	7,414	9,557	7,285	4,871	brown .....	16,818	14,382	36,920	523	67,082	
Alizirin rubinol .....	11,118	49,826	26,457	—	10,917	Chlorantine fast blue.	14,754	16,150	37,648	22,872	7,362	
545 Patent blue A .....	10,715	11,372	3,436	16,170	62,744	Trisulphon orange .....	13,401	32,903	8,527	7,864	313,629	
19 Fast light yellow...	6,625	6,211	25,555	29,315	38,908	Trisulphon brown GG	12,466	8,878	22,420	19,182	8,308	
266 Sulphon cyanine black	9,484	15,543	14,858	615	60,590	Diaminogene blue ..	11,576	10,126	9,797	969	992	
860 Cyananthrol G .....	7,817	4,618	20,648	12,713	—	Diphenyl fast brown	11,100	3,821	—	160	6,321	
Polar red .....	7,736	15,031	14,926	2,579	2,821	GNC .....	10,263	17,793	8,719	6,261	17,387	
531 Eriocyanine .....	7,716	19,302	14,808	16,808	25,091	Brilliant orange .....	7,602	2,205	9,808	8,637	—	
Guinea fast red .....	6,500	8,823	200	—	9,666	Diazophenyl black .....	7,496	5,407	6,172	1,415	441	
Brilliant Milling	—	—	—	—	5,619	Diamine catechene .....	6,282	6,643	9,418	7,545	66,876	
blue B .....	6,200	6,840	872	2,175	—	Diamine brilliant	6,000	2,508	4,152	972	5,409	
Vat Dyes	—	—	—	—	—	scarlet .....	5,73	Rhodamine B .....	94,504	29,083	5,077	
761 Indanthrene golden	—	—	—	—	—	Basic Dyes	5,73	Rhodamine 6G .....	55,825	31,242	13,545	
orange R (s.s.) .....	112,330	79,717	78,145	56,390	50,496	571 Rhodamine 6G .....	55,825	31,242	10,069	37,515	—	
901 Ciba violet B (s.s.)	82,596	64,517	131,661	21,987	20,836	606 Phosphine .....	24,300	42,176	51,711	21,325	168,225	
842 Indanthrene blue	—	—	—	—	—	703 Indamine 6R .....	7,900	3,500	2,800	9,945	66,170	
GCD (s.s.) .....	73,866	70,546	16,802	201,835	478,980	618 Thioflavine T .....	6,842	20,283	6,765	7,297	35,224	
760 Indanthrene golden	—	—	—	—	—	609 Homophosphine .....	4,835	2,520	935	918	78,127	
orange G (s.s.) .....	71,465	67,265	73,305	33,423	20,092	610 Euchrysine .....	4,525	9,483	3,476	872	15,403	
849 Algol brown B (s.s.)	64,468	58,081	16,778	6,640	1,596	516 Victoria blue B .....	4,508	1,722	3,442	12,342	127,760	
831 Indanthrene red BN	—	—	—	—	—	603 Acridine orange .....	4,038	9,349	711	1,613	2,336	
(s.s.) .....	58,520	16,825	27,383	21,331	6,056	Sulfur Dyes	—	—	—	—	—	
Indanthrene pink B	—	—	—	—	—	Cross dye green .....	30,567	26,242	27,884	51,074	100	
(s.s.) .....	49,910	13,349	18,680	—	602	Thionol brown .....	14,940	28,802	48,750	20,632	—	
Hydron brown (s.s.)	41,881	4,005	754	—	600	Thionol brilliant blue	6,001	—	3,757	1,884	—	
907 Ciba scarlet (s.s.)	40,200	37,524	33,246	10,665	22,265	709 Pyrogene green 2G..	4,620	—	6,503	1,947	298	
849 Indanthrene yellow	—	—	—	—	559 Victoria green .....	4,289	3,738	4,331	1,450	51,872		
(s.s.) .....	39,111	87,946	15,507	49,609	12,683	746 Katigene green .....	4,409	4,233	11,397	6,543	63,929	
759 Anthraflavone G (s.s.)	34,436	27,721	20,594	10,594	7,143	—	—	—	—	—	—	
Indanthrene blue	—	—	—	—	—	—	—	—	—	—	—	
BCS (s.s.) .....	32,610	12,240	209,085	—	—	—	—	—	—	—	—	
844 Algol blue 3G (s.s.)	32,396	5,316	5,815	4,623	9,191	—	—	—	—	—	—	
913 Helindone orange R	—	—	—	—	—	—	—	—	—	—	—	
(s.s.) .....	31,077	22,371	9,240	919	14,511	—	—	—	—	—	—	
832 Indanthrene violet	—	—	—	—	—	—	—	—	—	—	—	
RN (s.s.) .....	30,169	20,435	1,000	1,680	11,667	—	—	—	—	—	—	
Mordant and Chrome Dyes	—	—	—	—	—	—	—	—	—	—	—	
862 Alizarin blue black..	77,003	70,917	22,277	43,277	54,706	DYE SHIPMENT TO JAPAN BY DU PONT	—	—	—	—	—	
778 Alizarin (synthetic)	39,645	27,716	27,036	136,283	202,392	The largest consignment of dyes ever shipped from the Delaware River district to the Far East was consigned this week by E. I. du Pont de Nemours & Co. to Yokohama, Kobe and Shanghai on the British steamer City of Pekin. Heretofore the du Pont company has sent all consignments of dyes to the Orient through New York. Recently, however, the demand for these products has become of sufficient importance to render it advisable to load at the Deepwater Point plant of the company.	—	—	—	—	—	—
858 Alizarin saphirool B	39,498	26,615	46,596	28,606	77,148	—	—	—	—	—	—	
855 Alizarin pure blue B	19,627	9,182	14,998	12,796	—	—	—	—	—	—	—	
856 Alizarin astrol .....	16,117	11,224	8,185	24,637	—	—	—	—	—	—	—	
779 Alizarin orange .....	15,202	8,444	15,528	5,854	14,230	—	—	—	—	—	—	
784 Alizarin SX, GD...	10,910	8,206	7,795	12,205	—	—	—	—	—	—	—	
551 Eriochrome azurol BC	10,834	—	43,191	19,344	21,060	—	—	—	—	—	—	
Metachrome blue black	9,800	7,000	3,251	725	399	—	—	—	—	—	—	
785 Alizarin RG, GI....	9,260	12,528	6,500	18,266	40,021	—	—	—	—	—	—	
Omega chrome brown	8,003	11,511	8,570	5,486	—	—	—	—	—	—	—	
Anthracene chromate	—	—	—	—	—	—	—	—	—	—	—	
brown EB .....	6,669	8,420	12,326	12,694	9,548	—	—	—	—	—	—	
Eriochrome flavine A	6,614	10,713	12,293	110	—	—	—	—	—	—	—	
854 Alizarin viridine ..	5,778	17,217	25,910	9,499	—	—	—	—	—	—	—	

## Rubber Chemicals

## Textile Chemicals



## Trend of the Market

	Last Week	Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$ .30	\$ .39	\$ .39	\$ .45	\$ .35
Carbon Bisulfide .....	.06	.06	.06	.50	.10
Carbon Black .....	.09%	.10	.12	.15	.14
China Clay, Imp.....	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82%	.82%	.82%	.97	.135
Iron Oxide, Span.....	.03	.03	.03%	.04	.04%
Lithopone .....	.06%	.06%	.06%	.06	.04
Sulfur .....	3.00	3.05	3.05	2.50	2.75
Whiting, Dom.....	14.00	14.00	14.00	18.00	11.00
Zinc Oxide, Amer.....	.08%	.08	.08%	.07	.06%
Average .....	3.449	3.459	3.464	3.820	5.937

## Trend of the Market

	Last Week	Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00
Acid Oxalic .....	.10%	.10%	.00%	.12	.07%
Bleaching Powder .....	1.90	1.90	1.90	1.50	9.50
Copper Sulfate .....	4.70	4.65	4.65	20.00	4.50
Epsom Salt, U.S.P.....	2.15	2.15	2.10	2.45	1.50
Glauber's Salt .....	1.25	1.25	1.25	1.30	.50
Potash, Caustic, Imp.....	.07%	.07%	.07%	.06%	.07
Soda Ash, 55% wks.....	1.35	1.38	1.38	1.30	.40
Soda Caustic, 76% wks.....	3.10	3.10	3.10	9.50	1.00
Sodium Bichromate .....	.06%	.06%	.06%	.07%	.06%
Average .....	1.785	1.784	1.778	1.762	4.800

## MABEY ON CHEMICAL FREIGHT RATES

(Continued from Page 94)

Between Albany, N. Y. and Detroit, Mich.						
	1	2	3	4	5	6
Present	106 $\frac{1}{2}$	83	70 $\frac{1}{2}$	49 $\frac{1}{2}$	42	35 $\frac{1}{2}$
Proposed	120 $\frac{1}{2}$	102 $\frac{1}{2}$	80 $\frac{1}{2}$	60 $\frac{1}{2}$	42	33 $\frac{1}{2}$
Between Albany, N. Y. and Chicago, Ill.						
	1	2	3	4	5	6
Present	126 $\frac{1}{2}$	119 $\frac{1}{2}$	90 $\frac{1}{2}$	63 $\frac{1}{2}$	54	45 $\frac{1}{2}$
Proposed	154 $\frac{1}{2}$	131 $\frac{1}{2}$	103 $\frac{1}{2}$	77 $\frac{1}{2}$	54	49 $\frac{1}{2}$
Between Syracuse, N. Y. and Cleveland, Ohio						
	1	2	3	4	5	6
Present	74 $\frac{1}{2}$	65 $\frac{1}{2}$	49 $\frac{1}{2}$	35 $\frac{1}{2}$	29 $\frac{1}{2}$	25
Proposed	(See Note Page 7)					
Between Syracuse, N. Y. and Cincinnati, Ohio						
	1	2	3	4	5	6
Present	99	87	60 $\frac{1}{2}$	47 $\frac{1}{2}$	39	33
Proposed	112	95	73	56	39	31 $\frac{1}{2}$
Between Syracuse, N. Y. and Detroit, Mich.						
	1	2	3	4	5	6
Present	93 $\frac{1}{2}$	79	62	47	33 $\frac{1}{2}$	28
Proposed	95 $\frac{1}{2}$	81	64	48	33 $\frac{1}{2}$	26 $\frac{1}{2}$
Between Syracuse, N. Y. and Chicago, Ill.						
	1	2	3	4	5	6
Present	113 $\frac{1}{2}$	99 $\frac{1}{2}$	75 $\frac{1}{2}$	53	45	38
Proposed	120	100 $\frac{1}{2}$	86 $\frac{1}{2}$	64 $\frac{1}{2}$	45	36
Between Portland, Me. & Buffalo, N. Y.						
	1	2	3	4	5	6
Present	88 $\frac{1}{2}$	73 $\frac{1}{2}$	59 $\frac{1}{2}$	42 $\frac{1}{2}$	34 $\frac{1}{2}$	28 $\frac{1}{2}$
Proposed	111	94 $\frac{1}{2}$	74 $\frac{1}{2}$	58 $\frac{1}{2}$	39	31
Between Portland, Me. & Pittsburgh, Pa.						
	1	2	3	4	5	6
Present	90	78 $\frac{1}{2}$	59 $\frac{1}{2}$	42 $\frac{1}{2}$	36 $\frac{1}{2}$	30 $\frac{1}{2}$
Proposed	123	113	89	66 $\frac{1}{2}$	46 $\frac{1}{2}$	37
Between Portland, Me. & Philadelphia, Pa.						
	1	2	3	4	5	6
Present	88 $\frac{1}{2}$	73	59 $\frac{1}{2}$	42 $\frac{1}{2}$	34 $\frac{1}{2}$	28 $\frac{1}{2}$
Proposed	107	91	71 $\frac{1}{2}$	58 $\frac{1}{2}$	37	30
Between Lowell, Mass. & Buffalo, N. Y.						
	1	2	3	4	5	6
Present	84	73 $\frac{1}{2}$	57	40	34 $\frac{1}{2}$	28 $\frac{1}{2}$
Proposed	101	96	67 $\frac{1}{2}$	50 $\frac{1}{2}$	35	28 $\frac{1}{2}$
Between Lowell, Mass. & Pittsburgh, Pa.						
	1	2	3	4	5	6
Present	90	78 $\frac{1}{2}$	59 $\frac{1}{2}$	42 $\frac{1}{2}$	36 $\frac{1}{2}$	30 $\frac{1}{2}$
Proposed	125	106 $\frac{1}{2}$	84	63 $\frac{1}{2}$	44	35
Between Lowell, Mass. & Philadelphia, Pa.						
	1	2	3	4	5	6
Present	72 $\frac{1}{2}$	63	51	40	32	28 $\frac{1}{2}$
Proposed	97	82 $\frac{1}{2}$	65	48 $\frac{1}{2}$	34	27
Between Boston, Mass. & Buffalo, N. Y.						
	1	2	3	4	5	6
Present	84	73 $\frac{1}{2}$	57	40	34 $\frac{1}{2}$	28 $\frac{1}{2}$
Proposed	103	87 $\frac{1}{2}$	60	51 $\frac{1}{2}$	36	29
Between Boston, Mass. & Pittsburgh, Pa.						
	1	2	3	4	5	6
Present	90	78 $\frac{1}{2}$	59 $\frac{1}{2}$	42 $\frac{1}{2}$	36 $\frac{1}{2}$	30 $\frac{1}{2}$
Proposed	125	106 $\frac{1}{2}$	84	63 $\frac{1}{2}$	44	35
Between Boston, Mass. & Philadelphia, Pa.						
	1	2	3	4	5	6
Present	66 $\frac{1}{2}$	60	50	38	32	28 $\frac{1}{2}$
Proposed	97	82 $\frac{1}{2}$	65	48 $\frac{1}{2}$	34	27
Between Providence, R. I. & Buffalo, N. Y.						
	1	2	3	4	5	6
Present	84	73 $\frac{1}{2}$	57	40	34 $\frac{1}{2}$	28 $\frac{1}{2}$
Proposed	105	89 $\frac{1}{2}$	70 $\frac{1}{2}$	53 $\frac{1}{2}$	37	29 $\frac{1}{2}$
Between Providence, R. I. & Pittsburgh, Pa.						
	1	2	3	4	5	6
Present	90	78 $\frac{1}{2}$	59 $\frac{1}{2}$	42 $\frac{1}{2}$	36 $\frac{1}{2}$	30 $\frac{1}{2}$
Proposed	121	103	81	60 $\frac{1}{2}$	42 $\frac{1}{2}$	34
Between Providence, R. I. & Philadelphia, Pa.						
	1	2	3	4	5	6
Present	66 $\frac{1}{2}$	60	50	38	32	28 $\frac{1}{2}$
Proposed	95	81	63 $\frac{1}{2}$	47 $\frac{1}{2}$	33 $\frac{1}{2}$	26 $\frac{1}{2}$

These are merely indicative illustrations; on the whole the same picture would develop if any other station in Trunk Line Association territory were taken for purposes of comparison. Of major significance is the fact that this investigation covers an old and established industrial territory; the predominant industries of this country are within its borders. The present rate structure, therefore, cannot be criticized as one which is preventing the development of this section of the country. Far from it. There is one thing to be said in favor of these proposals. They are now in such form that industry within this great territory knows that, at last, the spectre of the long impending readjustment is going to be laid. The wheels cannot be stopped; the Commission in due time will finally dispose of the

whole question, upon the facts which it finds upon the record made in public hearing. This removal of uncertainty is certain to be beneficial; the decision will enable industries to determine whether or not to expand in their present location or move to a more favored community. From the standpoint of the producer, the question of market competition grows more important year by year, hence the increasing seriousness of the freight rate situation between competitors. Manufacturing processes have been stabilized with years of experience, costs of production likewise tend to uniformity for the same reason, prices are naturally affected thereby, and the controlling sales factor often becomes the difference in the competitive freight rate. If the less favored shipper cannot afford to shrink his profits by this difference, he cannot make the sale.

Another important angle of the carriers' proposals is the abolition of existing rate groups; or, if the groups are preserved, as in the case of New York, Philadelphia and Baltimore, the method used in arriving at the mileages upon which the rates are based. This is distinctly a problem which differs with each individual.

It is unnecessary to emphasize further the disturbance which will result, for instance, in the case of an industry which is located without the corporate limits of some city for definite purposes, or within an old established rate group, if, under this new adjustment, that industry's rates are made higher than those of a competitor that may be only a few miles distant who falls within a different mileage group.

Another factor of the carriers' proposals which must be studied by the individual is the method used by the carriers in arriving at mileages. Assuming that a mileage system of rate-making goes into effect, it does not necessarily mean that the rates are based on actual mileage. The use by the carriers of what is known as constructive mileage, that is, a fictitious mileage which is in excess of the actual mileage, is well recognized. Often good and sufficient reasons exist for the use of such mileages. Even a limited examination of the carriers' proposals indicates their use of constructive mileages. It is self-evident that under a mileage scheme a rate can be made higher by directly increasing the figure, and it also can be advanced by using a mileage which is in excess of the actual mileage. The latter process may be more harmonious and less painful, but the resulting increase is just the same.

In considering the carriers' proposals, therefore, in addition to the rates themselves, a careful examination must be made of the individual mileages which the carriers propose to use in making these rates.

## Systems of Rate Making

We have, therefore, on trial before the court of last resort several different systems of rate making:

(1) The competitive or equalization system, meaning that market competition, or rail competition, holds down the rates; usually, the adjustment is of long standing. Who benefits from such a system? The producer? Yes, by quantity production, centralized, and by wide latitude in markets. The railroads? Yes, by increased tonnage. The producers' competitor? Perhaps not, although usually offset by a like ability to reach his competitors' markets. The consumer? Most of all, because he is assured of the full play of competition between producers.

(2) The group system, meaning that the territory is blanketed in large groups between which rates are equalized, as now in trunk line territory. Who benefits by this? The producer, because he has a comparatively

(Continued on Page 115)

## NAME EIGHT NEW STANDARD DYES

Customs Service of the Treasury Department Also Lists Seven Others for Similitude  
(Special Correspondence to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 14.—The Customs Service of the Treasury Department has announced supplemental dye list No. 16, giving new standards of strength of coal tar dyes for the purpose of assessing the specific duty of 7 cents per pound, which is applied in the proportion that the strength of the import bears to the strength of similar commercial importations prior to July 1, 1914. This supplemental list adds eight dyes to the standards, and names seven others for similitude to dyes previously listed. In the following list the standard is given first, and the identical product is indented under each standard:

No.	Class	Name of Standard	Mfr.
1 Q	C.821 C.1134	Algol Blue 3 R, 12½% Paste .....	(By)
2 Q	(V.W)	Algol Blue 3 R, Pastes & Powder.....(By)	
		Anthra Wool Red CR, 10% Paste.....(B.)	
		Anthra Wool Red C R, Pastes & Powd.(B.)	
		Helindone Red C R, Pastes & Vat in Grains .....	(M.)
3 Q	(D)	Benzo Bronze E .....	(By)
4 Q	(A)	No identical product	
5 Q	(M)	Brilliant Acid Blue, R Extra .....	(G.)
		Acid Pure Blue R Supra No. 614 .....	(G.)
		Chromorhodine 6 G N, Extra .....	(D.H.)
6 Q	(D.d)	No identical product	
		Diazo Brown 6 G .....	(By)
7 Q	(V)	No identical product	
		Indanthrene Printing Black B R 28% Paste .....	(B.)
		Indanthrene Printing Black B R Pastes & Powder .....	(B.)
		Helindone Printing Black I B R Pastes & Powder .....	(M.)
		Vat Printing Black B R Pastes & Pow.(By)	
8 Q	(B)	Sorrel Red X .....	(B.)
	S.64	Sorbin Red .....	(B.)
		No identical product	
Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards			
291	S.910 C.1211	Helindone Pink A N 10% Paste.....(M.)	
5 D	(V)	Vat Pink A N Pastes & Powder .....	(By)
		Hydron Scarlet 3 B 16 2/3% Paste.....(C.)	
		Helindone Fast Scarlet B Pastes & Powder .....	(M.)
316	S.840 C.1109	Indanthrene Blue 3 G 10% Paste.....(B.)	
		Vat Blue 3 G Pastes & Powder.....(B.)	
323	S.763 C.1099	Indanthrene Dark Blue B O 25% Paste..(B.)	
		Vat Dark Blue BO Pastes & Powder..(B.)	
		Vat Dark Blue BOA Pastes & Powder.(B.)	
70 A	(V)	Indanthrene Green G 25% Paste.....(B.)	
332	S.766 C.1103	Helindone Green 1G Pastes & Powder..(M.)	
		Indanthrene Violet R Extra 25% Paste.(B.)	
19 P	S.566 C.737	Vat Violet R Extra Pastes & Powder..(B.)	
		Wool Green S .....	(B.)
		Wool Green B S .....	(By)

Alabama Lime & Stone Corp., capitalized at \$2,000,000, will erect an \$800,000 plant for the manufacture of lime at Calera, Ala., thirty miles south of Birmingham.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids on Jan. 20 for 18,000 pounds of sulfuric acid.

United Drug Co. has declared a quarterly dividend of 1½% on common stock, payable March 2 to stock of record Feb. 14.

Houbigant, Inc., has filed judgment for \$147.41 in New York county against Morris P. Gordon of Hewlett Pharmacy.

The Polish Cabinet has adopted a bill providing for a match monopoly, according to a Reuters telegram from Warsaw.

Columbian Carbon Co. has declared a quarterly dividend of \$1 a share, payable Feb. 2 to holders of record Jan. 19.

## NEW COLOR CARDS ARE OUT

The Textile Color Card Association and the National Association of Hosiery and Underwear Manufacturers have prepared a list of sixty-four colors as standard shades for the hosiery industry. The colors cover sport and evening shades and neutral tones for daytime wear. Included in the sixty-six shades are nine browns, ten grays and ten others, which collectively cover the category of nude, beige, fawn and similar tones. In addition there are six forming the blush, biscuit and tortoise group. The sports colors are shown, while fifteen are named for evening wear.

The collection is not intended as a Spring forecast, but is a compilation of standardized staple colors suitable for the volume of manufacturers' production for all seasons. The colors are being issued in samples of hosiery fabrics, and each color bears the official name.

It was announced by Margaret Hayden Rorke, managing director of the Textile Color Card Association, that the appointment of an official hosiery committee is a permanent one and that the body will meet regularly and, from information gathered from all sources, will make seasonal color selections, which will be sent semi-annually to the joint membership of the two associations. The committee will begin forecasting in time for next Fall's production.

The Textile Color Card Association released on Jan. 9 the Spring seasonal color card for general distribution to the trade. The card contains eighty-six colors, fourteen being shown in wool and seventy-two in silk, six of the silk shades being shoe and leather colors. The theme of the colors shown is distinctly Spanish. Another feature is a group called "dancing shades." These are typically French. Among the colors are sand or natural cashmere shades called Lido and Biarritz. In the woolen group are sand shades and rose tans.

## MAKE ETHYL GASOLINE TESTS

Results of tests on exhaust gases from engines using ethyl gasoline show that no increase in hazard from automobile engine exhaust gases is due to the use of tetraethyl lead in gasoline, according to experiments carried out by the Bureau of Mines in conjunction with the General Motors Research Corp. Various small animals were exposed for 188 days to different concentrations of exhaust gases from ethyl gasoline, but no symptoms of lead poisoning were noted. Ethyl gasoline contains three cubic centimeters of tetraethyl lead per gallon, and two cubic centimeters of a carrier, usually ethylene dibromide. Ethyl gasoline should not be confused with ethyl fluid, which is a mixture of concentrated tetraethyl lead and ethylene dibromide in the proper proportions for mixing with gasoline.

## R &amp; H GIVE VULCANIZATION CERTIFICATE

The Roessler & Haeslacher Chemical Co. now furnishes a certificate of vulcanization for users of R & H accelerators. The certificate is based on the laboratory test which is made of every lot. The stress strain of each particular lot when used in a comparative formula and cured in a steam press at a certain temperature for the proper length of time is shown in relation to the vulcanization curve reproduced on the certificate.

The certificate is signed by a technologist of The Roessler & Haeslacher Chemical Co. and forms a written guarantee of the quality of the R & H accelerator.

Lehn & Fink have filed judgment for \$452.71 in New York county against Joseph H. Fischer.

**QUOTATIONS ON CHEMICAL STOCKS**  
Closing Prices for Week Ending Jan. 10

	Bid	Asked	Bid	Asked
*Air Reduction	90	90 1/4	Grasselli	125
*Allied Chem. & D.	83 1/2	84	Grasselli, pf.	101
*Allied Ch. & D., pf.	117	118	Hercules Powder	88
*Am. Ag. Ch.	14 1/4	14 1/4	Hercules Powd., pf.	103
*Am. Ag. Ch., pf.	43 1/4	44	Heyden Chem.	2 1/4
*Am. Chicle	40	40 1/2	Hoover Electro	6
*Am. Chicle, pf.	94	95	Hoover Electro, pf.	24
*Am. Cyan.	91	95	*Household Products	36 1/2
*Am. Cyan., pf.	76	78	*Int. Agricult.	34
*Am. Druggist, S.	5 1/2	5 1/4	*Int. Agricult., new	7 1/2
Am. Glue	47	50	*Int. Agricult., pf.	9 1/2
Am. Glue, pf.	106	100	*Int. Nickel	26 1/2
**Am. Linseed	27	28	*Int. Nickel, pf.	95
*Am. Linseed, pf.	57	58	*Int. Salt	78
*Am. Metal	51 1/2	52	Mathieson Alk.	53 1/2
*Am. Zinc	11 1/4	11 1/2	Mathieson Alk., pf.	94
*Am. Zinc, pf.	38	38 1/2	MacAnd. & Forbes	148
Archer-Dan.-Mid.	27	27 1/2	Forbes, pf.	96
Archer-Dan.-Mid., pf.	80	94	Merck & Co., pf.	57
*Atlas Powder	51	52	Merrimac	84
*Atlas Powder, pf.	92	94	Mulford Co.	20
By-Prod. Co.	46	49	*National Lead	164
By-Prod. Co., pf.	102	105	Niag. A., pf.	80
Canad. Ind. Al.	18 1/2	19 1/2	N. J. Zinc	160
Canad. Salt	105	115	Parke, Davis & Co.	77
Casein Co.	62	66	Penn Salt	81
Celluloid Co.	55	60	*Peoples Gas, Chi.	113 1/4
Celluloid Co., pf.	96	98	Procter & Gamble	114
Certain-Teed Prods.	43 1/2	43 1/2	Procter & Gam., pf.	155
Charcoal Iron	10	20	Royal Bkg. Pow.	145
Ches. Mfg.	47	49	Royal Bkg. Pow., pf.	98 1/2
Ches. Mfg., pf.	112	115	Shawinigan	130
Clark Co., Fred.	2 1/2	4	Sherwin-Williams	30
Cleve. Cliffs Iron	70	75	Sherwin-Williams, 1st pf.	100 1/2
*Com'l Solv. A.	110	113	Sterling Prod.	63 1/2
Do. B.	108	112	Swan & Finch	20
Rights	—	4 1/2	Tenn. C. & Chem.	84
*Corn Products	39 1/2	40	*Tex. Gulf, Sul.	103 1/2
*Corn Products, pf.	118 1/2	118 1/2	Union Carbide	59 1/2
*Davison Chem.	43 1/2	44	—	—
Dow Chem. non par.	55	65	*Un. Drug	117
Dow Ch., pf.	98	102	*Un. Drug, 1st pf.	52
Dow Drug Co.	140	—	*Un. Dyewood	21
Dow Drug Co., pf.	105	108	*Un. Dyewood, pf.	32
*Du Pont Deb.	94	96	Un. Gas Imp.	57
*Du Pont Deb.	138	139	Un. Gas Imp., pf.	85
*Eastman Kodak	110 1/2	111	U. S. Gypsum	127
*Eastman Kodak, pf.	111 1/2	—	U. S. Indus. Al.	83 1/4
*Freeport Tex.	105	104 1/2	U. S. Indus. Al., pf.	107
*Genl. Asphalt	60	60 1/2	*Va. Car. Ch.	2 1/4
*Genl. Asphalt, pf.	98	100 1/2	*V. Vivaudou	73 1/2
*Gold Dust	40 1/2	41	Will & Baumer	12

\*Listed on New York Stock Exchange  
Unlisted Stocks Through Courtesy Pynchan & Co.

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)		\$4,866	\$4,78
France (franc)		.183	.053
Italy (lira)		.193	.041
Belgium (franc)		.193	.049
Czechoslovakia (crown) per hundred		20.30	.030
Denmark (krone)		.268	.179
Germany (mark)		.238	.238
Holland (florin)		.402	.405
Norway (krone)		.258	.153
Poland (zloty)		.198	.192
Spain (peseta)		.198	.142
Sweden (krone)		.268	.269
Switzerland (franc)		.198	.193
Argentina (peso)		.424	.398
Brazil (milreis)		.324	.318
Japan (yen)		.499	.382
India (rupee)		.485	.356
China (Silver dollar, Hongkong)		.789	.557
(Tael—Peking, silver)		1.156	.780
(Tael—Shanghai, silver)		1.986	.755

Griesheim Chemical Works, Frankfurt, will build ammonia and nitrate plants in Chicago and Baltimore. Several directors of the German company will arrive in America in the near future.

Among the securities sold at auction by Adrian H. Muller & Sons at the Vesey Street Auction Rooms, last week, were 60 shares United States Manganese Corporation, at \$1 the lot.

E. Dougherty, Philadelphia, for more than forty years associated with the fertilizer and chemical business, has retired on account of impaired health.

Barrett Co. has filed judgment in New York county against Arthur J. Schneider for \$116.65.

**New Incorporations**

**In the Chemical, Drug, Oil Producing and Consuming Fields**

Lyon Manufacturing Co., Brooklyn, 1,000 shares common stock, no par value. Making medicines. S. G. Williams, W. J. O'Shea Jr., J. J. Griffin, Attorneys, Worcester, Williams & Saxe, New York.

Ambrose Dyeing and Finishing Co., Brooklyn, \$40,000. W. Ciler, L. Bernstein, J. Levy, Attorneys, Greco & Strizer, New York.

Rothman's Chocolate Co., New York, \$35,000. Make candy. D. Rothman, G. Kaplan, M. Smulowitz, Attorney, J. S. Shapiro, New York.

Citrus Pharmacal Co., Wilmington, Del., \$500,000. Corporation Trust Co. of America.

Day Industrial Laboratories, Wilmington, Del., \$1,500,000. Franklin L. Mettler, Wilmington.

Wander Co., Wilmington, Del., \$1,000,000. Chemists and Druggists. Corporation Trust Co. of America.

Victor Color Corp., New York, \$100,000. Leather dressings. P. C. Shannon, C. L. Victor, W. Hosken, Attorney, W. T. Van Alstyne, New York.

W. S. & L. Manufacturing Corp., Wilmington, Del., \$300,000. Chemists and dye makers. Colonial Charter Co., Wilmington.

Marvelo, Inc., Caldwell, N. J., \$50,000 preferred stock, 2,000 shares common, no par value. Cleansing products. Attorneys, Strange & Meyers, New York.

National Graphite Corp., Boston, \$400,000. Graphite products. Dexter B. Pattison, Frederick S. C. Grover, Frank J. Bradley.

Symonds, Inc., Boston, \$150,000. Drugs, chemicals and sundries. Harold M. Symonds, Edward G. Randolph, John J. McNally.

G. M. Clark Co., Portland, Me., 1,000 shares common stock, no par value. Manufacture and deal in acids, alkalies, oils, salts and mineral compounds.

Anglo Chilean Consolidated Nitrate Corp., Wilmington, Del., \$172,500,000. Corporation Trust Co. of America.

Altoona Glass Products Corp., Baltimore, Md., \$1,300,000. Manufacture. Geo. A. Mason, John S. Deale, Geo. F. Brandenburg (F. L. Mettler), Wilmington, Del.)

Pan-Pharmacal Corp., Philadelphia, \$250,000. Manufacture. H. H. Bram, Norman W. Golsin, S. K. Kraus. Delaware Registration Trust Co.

Kath Laboratories, Newburgh, N. Y., \$100,000. Drugs. C. J. Brown, L. C. Tinker, C. D. Trux. Attorney, H. R. Herman Newburgh.

U. S. Sanitary Hand Cleaner, Brooklyn, N. Y., \$25,000. Soap. M. Spiegel, L. and S. Goldstein. Attorney, N. Barach, New York.

Mutual Ice and Cold Storage Co., Wilmington, Del., \$2,000,000. Manufacture ice cream and similar products. Colonial Charter Co.

California Zinc Co., Wilmington, Del., \$310,000. Manufacturing Corporation Trust Co. of America.

Adernella Co., Wilmington, Del., \$100,000. Manufacture face cream. Corporation Service Co.

Oriiza L. Grande, Wilmington, Del., \$50,000. Toilet articles. Corporation Service Co.

Cubinala Chemical, Philadelphia, \$50,000. Manufacturing. Corporation Guarantee and Trust Co.

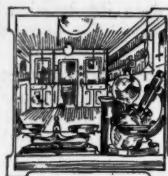
Stockholders of United Drug Co. will meet on Jan. 21, to ratify a plan whereby holders of \$13,000,000 stock of Liggett's International may exchange the stock for first preferred 7 per cent stock of United Drug. The exchange is to be at the rate of 1 1-7 shares of United Drug for each share of Liggett's International.

American Smelting and Refining Co. has raised the annual rate on the common stock from \$5 to \$6 a share. A quarterly dividend of 1 1/4 per cent will be paid on the common stock on Feb. 2 to stockholders of record Jan. 16, and 1 1/4 per cent on the preferred stock, on March 2 to stockholders of record Feb. 6.

Corn Products Refining Co. has sold the \$2,000,000 corn starch plant at Oswego, N. Y. to a syndicate of Wall Street interests. The plant, which comprises more than twenty buildings possesses one of the finest manufacturing water powers in Northern New York.

Archibald Alexander Smith, dealer in fertilizers and operating under the trade names of A. A. Smith Cotton Product Co., and A. A. Smith Cotton Co., has filed a petition of voluntary bankruptcy in the U. S. District Court, Atlanta, Ga.

Lehn & Fink have filed judgment in New York county against Joseph H. Fischer for \$452.71.



# Drug & Fine Chemical SECTION



## Marking of Imported Merchandise

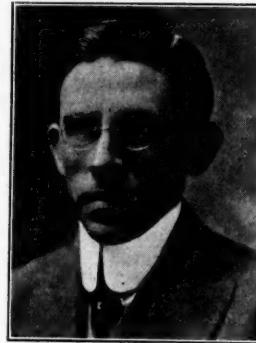
*Where the Line is Drawn Between Labelling An Article and Its Package  
With Country of Origin*

By JAMES W. BEVANS, Attorney in Federal Courts

THE requirement in Section 304, Tariff Act of 1922, that imported articles, and packages containing the same, shall be marked in English with the name of the country of origin is not new, as for many years, Tariff Acts have contained such provisions. Such a requirement was embodied in the Tariff Acts of July 24th, 1897 (Section 8), August 5th, 1909 (Section 7), and October 3rd, 1913 (Section 4—Par. (f), Sub-Section 1). However, in re-enacting this marking requirement, there has been added to it, in Section 304a of the Tariff Act of 1922, a new provision, imposing a penalty in the form of an additional duty of ten per centum of the appraised value, where the article, at the time of importation, is not properly marked.

Section 304 provides that every article imported into the United States, which is capable of being marked without injury at the time of its manufacture, shall be marked, stamped, branded, or labeled, in legible English words, in a conspicuous place that shall not be covered or obscured by any subsequent attachments or arrangements, so as to indicate the country of origin, and such marking, stamping, branding, or labeling shall be as nearly indelible and permanent as the nature of the article will permit, and that articles not so marked will not be released from Customs until the Law is complied with. This requirement is substantially the same as those of the preceding Tariff Acts mentioned.

It will be noted that an imported article not marked with the country of origin, as required by this Section, may be so marked and thereupon released from Customs Custody. Even though so marked, however, and consequently released from Customs and permitted entry, the importer is, nevertheless, penalized, under the new matter contained in the Tariff Act of 1922, same section, which provides that unless an article not properly marked at the time of importation, is exported under customs supervision, there shall be levied, collected and paid upon such article, in addition to the regular duty, a duty of ten per cent of the appraised value thereof, or if such article



JAMES W. BEVANS

If an importer fails to mark an article with the country of origin, he may do so upon arrival at an American port, but is liable to a fine of 10 per cent additional duty. If he fails to mark the container, he can do so when the goods reach here, but there is no penalty. Where is the line drawn between the package and the goods? Because of his twenty years experience in the Customs Service, prior to entering the private practice of law in Federal Courts, Mr. Bevans is well qualified to explain the actual working of this phase of the Fordney Tariff Law.

is free of duty, a duty of ten per cent of the appraised value.

Therefore, it will be seen that if the article, at the time of importation, is held by the Collector of Customs not to be marked as required by Section 304, it will be retained in customs custody, and the importer may either export it without payment of duty thereon, or he may properly mark it under customs custody, but if he elects the latter course, the duty is increased ten per cent.

That part of Section 304 which I have discussed above refers to the product itself. There is another part of the section which refers to the package, and requires that every package containing any imported article or articles, shall be marked, stamped, branded, or labeled in legible English words, so as to indicate clearly the country of origin, and packages not so marked, will not be delivered from Customs until this is done. While there is the same requirement as to the marking of the country of origin on the package containing the imported article as upon the article itself, there is no penalty provided where the package arrives in this country without being so marked.

If, therefore, a package should arrive not properly marked, it may be marked with the country of origin under Customs supervision, and when this has been done, and its release obtained, the penalty in the form of an additional duty will not be levied.

The question has, therefore, arisen in connection with a number of importations, as to what constitutes the article and what the package. It would seem perhaps that this question could hardly arise, as there should be no very great difficulty in distinguishing the article from the package. However, the question was raised in connection with an importation of cigar bands in packages of 100 each with a retaining band or wrapper; raisins packed in wooden boxes containing about 28 to 30 lbs. each; figs in small baskets of about 1 kilo each, and larger baskets of about 6 kilos each; and also in a number of other cases including caustic potash in drums. In each of these cases, except the cigar bands

case, the Government contended that the container plus the contents was a unit and constituted the article referred to in Par. (a) of Section 304, and that the container not being properly marked at the time of importation, the penalty of ten per centum additional duty attached. The importer in each case protested against this action of the Collector of Customs (who is acting under instructions of the Treasury Department), and has contended that the article, within the meaning of Section 304, is the contents of the package, namely, individual bands in the first case, raisins, figs and caustic potash in the other cases, and that these articles are incapable of being marked and, therefore, are not within said Section, and that while the containers must be marked with the country of origin, no penalty attaches.

In the cigar bands case, the Collector of Customs held that the Law was complied with by the marking of the wrappers or bands which held the cigar bands in packages of 100 each. The decision of the Collector was protested by an American manufacturer, and the Board of U. S. General Appraisers in T.D. 40094 of March 22nd, 1924, held that the individual bands or labels were the articles contemplated by Section 304, and that they were capable of being marked without injury at the time of manufacture and, therefore, directed the Collector of Customs to assess the penalty of ten per cent. The case was carried to the U. S. Court of Customs Appeals, and that Court on June 28th, 1924, T.D. 40318, sustained the Board of U. S. General Appraisers. The Court in its decision, defined an article as "something considered by itself, a particular object or substance; a material thing of a particular class or kind"; and stated that the imported article under consideration was not the bundle or package of cigar bands, but the cigar band itself, manufactured for a definite purpose and use and imported in packages for convenience in handling.

In the raisin case, the Board of U. S. General Appraisers, T.D. 40018, February 14th, 1924, reversed the decision of the Collector of Customs, who had held that the imported package, that is, the wooden box and its contents, 28 to 30 lbs. of raisins constituted an entirety and was, therefore, the article within the meaning of Section 304. The Board stated that the Section made a very clear distinction between articles and packages, and that in the case under consideration, the raisins were the articles, and inasmuch as they were not capable of being marked at the time of production, the importer was not subject to a penalty of ten per cent, as the failure to mark the wooden boxes did not, under the Law, carry with it such penalty. This case, I understand was appealed to the U. S. Court of Customs Appeals, and to date a decision has not been handed down.

In the fig case, the Board of U. S. General Appraisers decided that in the case of the large baskets of figs, the figs were the articles and not the baskets with their contents, but in the case of the smaller baskets, that the baskets and the figs together constituted the article. The U. S. Court of Customs Appeals in T.D. 40483, November 4th, 1924, discussed the Law at some length, and referred again to the definition of an article which it had adopted in the case of the cigar bands.

The Court also discussed the word "package" and stated that manifestly that word as used in Section 304, refers to the container, and that in the case under consideration the baskets whether large or small were containers for the figs, and that the figs themselves constituted the articles referred to by said Section. The

Court, therefore, sustained the Board in its decision as to the larger baskets of figs, and reversed it as to the smaller baskets.

In the caustic potash case, the potash was imported in metal drums and the Collector of Customs assessed a penalty because the drums were not marked, thereby holding that the drum and the caustic potash together constituted the article within the meaning of Section 304. This case has been protested, but no decision has been rendered.

From the foregoing decisions, it will be seen that the U. S. Court of Customs Appeals (the Appellate Court) has adopted the view that contents cannot be merged into the package and the whole considered as a unit and the importer subjected to the penalty of ten per centum. We do not see how the Court could have reached any other conclusion because the language of the statute is plain, and the words used, that is, "article" and "package" have well defined meanings. If the Treasury Department's view were accepted, all imported bulk goods, as for instance, liquids of any kind, merchandise in powder form, or in fact any article incapable itself of being marked, would be merged into its container and the whole constitute an article, thereby subjecting the importer to a penalty.

It is my opinion that there can be no proper distinction drawn between consumer packages and bulk packages, and that regardless of how packed, that is, whether in large or small packages, drums or boxes, the article, within the meaning of Section 304, is what is contained in the box or drum or other container, whether powdered or liquid, or any other form, and that no penalty attaches should the package arrive without the country of origin marked thereon.

A number of decisions have been rendered under Section 304. For instance, the Section requires that the article shall be marked in a "conspicuous" place. The Board of U. S. General Appraisers in T.D. 40222 of May 27th, 1924, held that the section does not require the most conspicuous nor in fact any particular place. Therefore, the Board held that a book was properly marked where the name of the country of origin was plainly printed in English at the end of the text at the close of the book.

In T.D. 39621, May 7th, 1923, the Board of U. S. General Appraisers held that furniture constituted articles capable of being stamped or marked, and that it would be properly so marked within the meaning of Section 304, if it were stamped on the back or underside, which could be done in such a manner as not to injure it.

The Treasury Department in a recent decision, T.D. 40427, October 21st, 1924, published a synopsis of various rulings regarding the marking of imported articles, some of which decisions had been published, and some apparently addressed to the Collector of Customs, and not embodied in the weekly Treasury Decisions.

In this decision, the Department states that the names of the capital cities of the older countries of Europe will be accepted as sufficient to indicate the country of origin under Section 304, for instance, London, Rome, Paris, Berlin, Brussels, and other capitals. However, it is stated that the names of cities other than capitals will not be accepted as sufficient compliance with the law, for the reason that no line can be drawn between cities which are sufficiently well known to indicate the country, and cities not so well known.

Tooth brushes stamped with the name of the country of manufacture in very small letters on the head of

(Continued on page 114)

## Industrial Alcohol Division Is Urged

**Witnesses Before the Sub-Committee of the Senate Judiciary Committee Suggest Amendments to the Cramton Bill Providing for Chemist in Charge of Alcohol Division—Board of Appeals Wanted by Manufacturers Who Say Prohibition Unit Hampers Legitimate Industry—Dr. Baekeland Says the Prohibition Officials Wear Blinders—Dr. M. C. Whittaker's Statement Charges Inefficiency—Dr. Herty Favors Civil Service—The Hearings Ended**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 14.—The Cramton bill hearings were resumed on Wednesday of last week with P. Samuel Rigney of the Organic Synthetic Chemical Manufacturers Association as the first witness before the sub-committee of the Senate Judiciary Committee. Mr. Rigney told the Committee that in his opinion the Cramton bill is impracticable and he is opposed to its passage he said because he does not believe that the prohibition officials who are trying to enforce the law should also have charge of alcohol regulations for legitimate industries. The passage of the Cramton bill, he contended, would disarrange legitimate industry, which does not need a law to compel it to obey the prohibition act. Leave legitimate industry alone he said and stop the sale of potable.

Mr. Rigney challenged the statement made at the former hearings by Dr. Doran of the Prohibition Unit that there is a 10 per cent leak in alcohol. Pressed for his own opinion, Mr. Rigney said that he did not believe that the leakage was more than 2 per cent. He called the Committee's particular attention to the fact that a large amount of alcohol is being imported over the borders and the seaboard.

### Says Alcohol Leakage Is Small

Dr. William Jay Schieffelin, representing the National Wholesale Druggists Association, told the Committee of decisions of the Commissioner of Prohibition which had to be appealed to the Commissioner of Internal Revenue, in all of which cases he said the Prohibition Commissioner was overruled. He also spoke of the organization by the Commissioner of Internal Revenue of the Alcohol Advisory Committee which acts in an advisory capacity to the Commissioner when matters of importance to drug and chemical manufacturers are under consideration. He took issue with the statement made by Dr. Doran regarding the 10 per cent leakage of alcohol. He told the Committee that in the laboratory of his firm a barrel of alcohol had shrunk almost 10 per cent because it was left in too hot a place.

W. L. Crounse, Washington, representative of the National Wholesale Druggists Association, told the Committee that legitimate manufacturers cannot take emergency orders because they are rarely able to get additional alcohol without a great deal of red tape. The prohibition restrictions he said have undoubtedly stunted the growth of legitimate business. Mr. Crounse took issue with Dr. Doran's 10 per cent alcohol leak "guess" and declared that it was not correct. The proponents of the bill, he said, speak of the domestic alcohol diversion, but they say nothing of the large quantities of foreign alcohol which is finding its way into the United States from France, Belgium and other countries. Large quantities of this alcohol, he said, are being sold by United States Marshals at prices lower than domestic manufacturers prices. It is estimated that the Government has lost over \$1,000,000 in taxes

as a result of the tax-free distribution of this smuggled alcohol.

Correspondence was submitted to show that the attention of the Department of Justice, the Internal Revenue Bureau and the prohibition unit was called to the situation by Captain James P. McGovern, Washington attorney for United States Industrial Alcohol Co., and that Commissioner Blair upheld Mr. McGovern's construction of the law. When Commissioner Blair instructed collectors to seize all smuggled goods wherever found, unless payment of the internal revenue tax of \$2.20 per proof gallon was evidenced by the presence of stamps on the packages, Mrs. Willebrandt, Assistant Attorney General, according to Mr. Crounse, overruled the bureau and ordered that such smuggled goods must be sold free of tax.

Dr. M. C. Whittaker, of U. S. Industrial Alcohol Co. and vice-president of the Manufacturing Chemists Association, appeared in opposition to the bill, objecting to the unrestricted powers which it would give to the Prohibition Unit. He contended that the Prohibition officials have shown absolute ignorance of the needs of industrial alcohol users and that the unit has been inefficient.

### Board of Appeals Wanted

H. W. Bigelow, general counsel of the American Drug Manufacturers Association, the first witness on Thursday, opposed to bill in its present form, but stated that if proper amendments were made the bill would not be objectionable. He called the committee's particular attention to the fact that the manufacturers whom he represents are opposed to transferring the Narcotic Control Division from the Bureau of Internal Revenue to the new Prohibition Bureau. Mr. Bigelow urged a provision in the Board of Review to which an appeal could be taken. He offered amendments, providing for a Division of Industrial Alcohol and a Division of Non-Beverage Alcohol. In the Division of Industrial Alcohol the chief would be a graduate chemist and "a person of knowledge and experience in the manufacture of ethyl and denatured alcohol and the industrial uses of denatured alcohol". The chief of the second division would have technical training "and practical experience and a thorough knowledge of the use of ethyl alcohol and other liquors". Another amendment provided for a "Board of review consisting of three members appointed by the Secretary of the Treasury and the members of such Board shall not at any time have been connected with or employed by the Bureau of Prohibition or the present Prohibition Unit of the Bureau of Internal Revenue."

H. B. Thompson, general counsel of the Proprietary Association, spoke in detail of the appeals from decisions of the Prohibition Commissioner made to the Commissioner of Internal Revenue, and he also suggested a Board of Review or Appeals.

### Says Prohibitionists Wear Blinders

L. H. Baekeland, of the American Chemical Society, told the committee that legitimate industry does not want to be hampered by further interference. The prohibitionists have blinders on, he said, and cannot separate violators of the prohibition act from legitimate alcohol users.

H. I. Peffer, vice president of United States Industrial Alcohol Co., read a statement prepared by M. C. Whittaker who is ill. The statement referred to the inefficiency and lack of understanding of the Prohibition

Unit and contended that a Board of Review would be helpful if the bill passes. Dr. Whittaker's paper told of the stipulation of the Commissioner of Prohibition and gave a number of examples where industry had been hurt by the orders of the Unit.

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, contended that there is very little leakage among the legitimate houses and gave it as his opinion that Civil Service would help the Prohibition Unit considerably. The legitimate manufacturers, he said, want to obey the law and he urged more co-operation and better understanding between industry and the Prohibition officials.

Brig. Gen. Amos A. Fries, chief of the Chemical Warfare Service of the Army, told the committee of the uses of alcohol during the World War. He said that his division is interested in any industry that would provide alcohol if the country needed it for national defense.

Others appearing before the committee included James P. McGovern, representing United States Industrial Alcohol Co., who spoke of the inception of the Cramton bill and took issue with Representative Cramton as to its authorship; Martin H. Itmier, chairman of the alcohol committee of the American Chemical Society; B. G. Slaughter, of Tuberize Artificial Silk Co.; F. S. Rogers, president of the Flavoring Extract Manufacturers Association; H. S. Chatfield, of the National Paint, Oil & Varnish Association; L. W. Wallace, engineering counsel and J. D. Steele, of the Shoe Polish Manufacturers Association.

"The Cramton bill will help legitimate business and will shut off one source of bootleg liquor," said Wayne B. Wheeler, general counsel for the Anti-Saloon League, addressing the committee on Friday on behalf of the bill. "It will fix responsibility on one official," he continued, "uniting control of all sources of liquor supplies, it will make diversion of alcohol more difficult. When fraudulent permittees are eliminated the legitimate dealers will not face the present unfair competition. These law violators are the present cause of the scrutiny of liquor permits which irritates legitimate business."

Mr. Wheeler told the committee that he does not believe that there is as much liquor coming into the United States as is contended, and he said that with its new equipment the U. S. Coast Guard will be able to help the situation very materially. The Government also is making considerable headway in doing away with moonshiners.

If manufacturers are refused basic permits by the Prohibition Bureau Mr. Wheeler said they immediately go into the courts and get an order demanding that these permits be issued. This is one of the weak points of the law, he said.

Mr. Wheeler told the committee that unquestionably there is a large amount of alcohol being diverted each year and he agreed with Dr. Doran in his contention that it amounts to at least 6,000,000 gallons a year. Many, he said, think that the amount is much larger than this and he insisted that Dr. Doran's guess is a conservative one.

The Cramton bill, Mr. Wheeler contended, does not give the Prohibition Commissioner any additional authority over the legitimate industry and the bill will considerably lessen delay and eliminate from the trade the use of fraudulent permits. Mr. Wheeler contended that the bill is not fanatical as charged by some interests and he pointed out that it is not as strong in language as many of the State laws. The amendments which have been suggested, he said, are constructive, and he told the committee that if provision is to be made for a Board of Review, members should be appointed by the Secretary of the Treasury.

## JAPAN REVISES TARIFF ON DRUGS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Japan, Dec. 12.—A bill revising Japan's customs duties will be submitted to the next session of the Imperial Diet, according to a statement by the Finance Minister, Mr. Hamaguchi. A careful investigation is now being made by a special committee which plans to have the bill ready to present to the Diet in February. Drugs are among the groups that are to be revised.

According to Mr. Hamaguchi imported goods will be divided into duty-free articles and those subject to duty. Goods that are daily necessities in the life of the Japanese people or necessary raw materials will be duty-free and the rate on other articles is to be decided by the part it fills in the life of the nation. This statement is interpreted as meaning that the rates on drugs, chemicals, medicines will be generally lowered.

Among the 17 groups composing the tariff list the following will undergo radical change:

- Group 2—Grains, flour, starches and seeds.
- Group 4—Oils, fats, waxes and manufactures thereof.
- Group 6—Drugs, medicines, chemicals, compounds or preparations thereof, and explosives.
- Group 7—Dyes, pigments, coatings, and filling matters.
- Group 14—Minerals and manufactures thereof.
- Group 15—Metal manufactures.

Many drugs and chemicals, such as camphor, aromatic chemicals, and toilet preparations were included in Japan's "Luxury Tariff" of articles which were taxed 100 per cent after July 31, 1924. The purpose of the tariff was not protective, but to discourage the buying of "luxurious goods" which the officials thought were causing Japan's unfavorable trade balance. Now even the officials admit the failure of the "luxury tariff" since the importation of the articles has not decreased but actually shown a monthly increase since July. They now say the failure is due to the inclusion of many daily necessities in the schedule and the special committee is to draw up a new bill after making a careful study of the needs of the nation.

## MARKING IMPORTED MERCHANDISE

(Continued from page 112)

the brush near the bristles, were held not to be legally marked, for the reason that the marking was neither legible nor in a conspicuous place.

In T.D. 40427, the Department holds as to linseed oil in barrels, that each barrel of linseed oil is an article. Thus, the Department is adhering to the position which I have previously discussed. This decision was rendered prior to the decision of the Court of Customs Appeals in the fig case, but whether the Treasury Department will adopt the Court's decision as to articles other than those specifically before the Court, cannot be stated. However, the Treasury Department's position is obviously incorrect, and undoubtedly the decision of the Court of Customs Appeals in each case brought before it, will be in favor of the protestant, and no importer should pay the penalty of ten per cent in such a case without having the proper protest filed in order that the case may be reviewed.

The Treasury Department has held, T.D. 39824, October 13th, 1923, that articles from the Philippine Islands are not imported articles within Section 304, and are, therefore, not subject to the marking requirement. Not only are articles coming into this country from the Philippine Islands, in the view of the Treasury Department, not subject to the general marking provision, Section 304, but also are not subject to any of the special marking provisions.

## MABEY ON CHEMICAL FREIGHT RATES

(Continued from page 108)

wide choice of location, often avoiding congested centers where labor is scarce, and being able to locate by himself where he can hold his labor. The railroad ordinarily averages well. The community at large benefits by the spread of the industry both in the interior and at the ports.

(3) The group system, governed by average mileage considerations. This is the basis between the Eastern territories and the Central territory; its best recommendation is that it has lived, with very minor adjustments, for forty years or more, with no serious critics, and that now the railroads have no thought of disturbing it.

(4) The mileage system with consideration for groups, as applicable within Central territory. This was initiated by the railroads for this particular territory, with its very uniform conditions of traffic and operation, criss-crossed by railroads, and with no natural obstacles in operation. When considered in another large territory, it must be tested by determining whether conditions within that whole territory are like those of that for which the structure was erected.

(5) The absolute mileage system. Who does such a system benefit? The producer? No, it circumscribes his local market into a circle beyond which he meets the competitive influence of his competitor's freight rate, just as his competitor is handicapped from the other direction. It tends to decentralize industry. The railroad? If a small line, it shuts him out of competitive business unless he breaks down his own local rates. The consumer? No, it reduces the play of competition in his purchases.

It seems that, if absolute mileage is to be the controlling rate making factor for the future, then in simple justice, the carriers will now have to make their rates on every article, strictly according to the cost incurred by them in transporting that article. If the system of averaging the value of the service and of considering the measure of the rate the traffic will bear, is to be abandoned, together with the group principle of rate making (essentially an averaging of conditions), then it seems proper that each article transported bear its full and proper share of its cost of transportation. The Commission, in part of its Sixteenth Annual Report, described lucidly the underlying reasons for applying this rule of reason to rate making.

**Principles Underlying Freight Classifications.—**

It was discovered early that the charges for transportation of different articles of freight could not be apportioned among such articles with regard alone to the cost of carriage. The basis of determining the charges, it was found, would confine to narrow limits the movement of different articles whose bulk or weight was large in comparison to their value, while heavier articles with less bulk would be made to pay disproportionately low rates.

"Under the system of apportioning the charges strictly to the cost, some kinds of commerce which have been very useful to the country, and have a tendency to bring different sections into more intimate business and social relations, could never have amounted to any considerable magnitude, and in some cases could not have existed at all, for the simple reason that the value at the place of delivery would not equal the purchase price with the transportation added. The traffic would thus be precluded, because the charge for carriage would be greater than it could bear. On the other hand, the rates for the carriage of articles which, with small bulk or weight, concentrated great value, would, on that system of making them, be absurdly low when com-

pared to the value of the articles, and perhaps not less so when the comparison was with the value of the service in transporting them.

"Accordingly, it was found not to be unjust to distribute the entire cost of service among all articles carried on a basis that gave greater consideration to the relative value of the service than to the cost. Such a method would be most beneficial to the country; it would enlarge commerce and extend communication, and would be better for the railroads because of the increased traffic which would be brought to them.

"The value of the article carried under this system would be the most important element in determining what freight charge it should bear. Other considerations, however, equally important, must not be overlooked when the freight classification is to be made. The classification as now constructed have for their foundation the following elements:

"The competitive element or the rates made necessary by competition. The volume of the business—that is, the tonnage movement. The direction in which the freight moves—that is, whether it moves in the direction in which most of the freight is transported or in the reverse direction in which empty cars are running. The value of the article. The bulk and weight. The degree of risk attending transportation. The facilities required for particular or special shipments."

Still another factor may well be considered if "harmony" is to hereafter control the making of rates, i.e., the intrinsic value of the commodity transported, compared with the freight charges assessed thereon. For instance, compare the value of a carload of coal with the freight charges thereon for any material haul—the coal is not worth the amount of freight. Compare, in our own industry, the movement of an average box car of soda ash, weighing 80,000 lbs., worth about \$1,040.00, New York to Chicago, on which at present freight charges would aggregate \$332.00, with the like movement of a similar car loaded with pianos, weight 12,000 lbs., value possibly as high as \$12,000, and freight charges, \$149.40. The railroads, in case of loss, must pay the full value. The disparity is self-evident.

Another system must also be considered, in view of legislation now pending in Congress, i.e., the strictly long-and-short haul system of rate making. Whom does such a system benefit? No one, excepting possibly the water carriers. The shipper who has no access to the water lines is at an irremediable disadvantage. The railroad, if its problem is that of meeting competing short line competition, would probably forego the business, as the breaking down of its intermediate rates would disrupt a whole rate structure; if the problem is water competition, the carrier loses also. But the carrier has this recourse; if the loss of business be such that it affects the welfare of all the carriers in a rate making territory, the law would likely enable such carriers to increase the tonnage carrying rates to the intermediate points, sufficiently to give them a fair chance to recoup their losses.

Does the receiver at the intermediate point benefit? Rarely; there are always two ways of curing a discriminatory rate, and one is by advancing the offending rate to the higher basis. If a carrier has a normal rate to one point, and a sub-normal rate to a point beyond, he cannot be forced to reduce the normal rate to the sub-normal basis. The man at the intermediate point may win, but his victory only leaves him in the position of the dog in the manger. In the meantime, his friend

(Continued on page 159)

## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, pages 114-149

### CODLIVER ADVANCES TO \$30 BBL. ON SPOT

Shipment Inside at \$29.50 bbls., and Scarce—Menthol Lower in Competition—Potash Permanganate Firm—Mercury Higher on Spot and London—Santonin Firm—Bromides Steady—Salicylates More Active—Fusel Oil Quiet—Chloral Hydrate Lower—Caffeine Alkaloid Higher

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

**Advanced**  
Caffeine Alkaloid, 10c lb.      Glycerin, Dynamite,  $\frac{1}{4}$  c lb.  
Codliver Oil, Norwegian,      Mercury, \$3.00 flask.  
\$1.50 bbl.

**Declined**  
Camphor, Japanese, Slabs,  $\frac{1}{2}$  c lb. Chloral Hydrate, U.S.P. 15c lb.  
Menthol, 50c lb.

	Trend of the Market					
	Today	Last Week	Month	Last Year	War Peak	War
Acetanilid	\$26	\$26	\$26	\$22	\$2.00	\$2.20
Acid Citric, Import.	.46	.46	.46	.47	1.25	.45
Caffeine, Alkaloid	3.60	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref.	.65	.66 $\frac{1}{2}$	.67	.83 $\frac{1}{2}$	3.55	.41
Iodine, Resublimed	4.65	4.65	4.75	4.55	5.00	3.75
Menthol	12.25	12.75	13.75	12.00	13.50	3.00
Potassium Bromide, Cryst.	.48	.48	.48	.30	4.30	.80
Quinine Sulfate, Imp.	.50	.50	.50	.50	.90	.25
Sodium Salicylate	.40	.40	.40	4.0	4.25	.27
Strychnine Sulfate	.49 $\frac{1}{2}$	.49 $\frac{1}{2}$	.49 $\frac{1}{2}$	.68	2.05	.50
Average	2.28	2.31	2.42	2.30	5.92	1.56

The advance in codliver oil was the outstanding feature in the fine chemical market during the week. The increased consumption has reduced spot stocks to a point where little difference is seen between spot values and shipment prices. The 1925 season has begun poorly, and the trade looks for a tight situation in codliver oil for the next three months. Any activity in fine chemicals brings out fresh advances, which reflect the smallness of spot stocks. Although firmness in imported material is more apparent than in domestic made goods, American manufacturers cannot see any weak spots with the exception of bismuth salts. The metal has declined to such a figure that makers of the salts feel that the bottom has been reached, and a reaction upward is more apt to occur than further recessions. Although menthol has declined slightly, importers think that future business is more likely to be transacted around present figures in view of the firm attitude of Japan, than around prices which prevailed early in the Fall. The goods, which were sold at \$8.50 per pound and up, have been disposed of in consuming quarters, and will, therefore, not cause any depression in the present market.

**Acetanilid**—Although price of 36c@38c lb. spot is still quoted by makers, some directions think that these prices will not prevail much longer. Contract business reported active. Resale quarters name 35c@36c lb.

**Acid, Acetysalicylic**—Makers report better demand at 75c@85c lb. spot as to seller, and resale quarters name 72 $\frac{1}{2}$ c@75c lb. Stocks in consuming places reported low.

**Acid, Benzoic**—U.S.P. in small demand at 75c@80c lb. spot, and second hands at 70c@75c lb.

**Acid, Citric**—Market for imported steady at 45 $\frac{1}{2}$ c@46c lb. spot as to seller and quantity. Supplies are ample for present needs. Business between first hands

active. Europe reported buying in larger quantities. Domestic, 46c@47c lb.

**Acid, Diethylbarbituric**—Domestic still quoted at \$8.00 @ \$9.00 lb. spot as to quantity, and imported at \$4.25@ \$4.50 lb. Stocks of the latter are so heavy that little is being imported at the moment.

**Acid, Phosphoric**—Makers name 15c@17c lb. spot for U.S.P. syrup, and resale quarters 15c@16c lb.

**Acid, Salicylic**—In fair demand at 35c lb. spot by makers, and 32c@33c lb.

**Acid, Tartaric**—Imported firm at 27c@27 $\frac{1}{2}$ c lb. spot as to seller and quantity. Imports last week at New York were 510 kegs, but, as usual, these arrivals have already been sold. Of course, if goods are arriving in large quantities, the potential consuming demand is being filled, whether or not they are sold to arrive.

**Alcohol**—Market is firm with No. 1 specially denatured named at 57 $\frac{1}{2}$ c@59 $\frac{1}{2}$ c gal. spot in drums, and No. 5 completely denatured at 55 $\frac{1}{2}$ c@57 $\frac{1}{2}$ c gal. Reports are heard that a new producer is now turning out alcohol. With the increased consumption, this addition to production is not expected to have any effect on prices.

**Alcohol, Butyl**—Market firm at 26 $\frac{1}{2}$ c@28 $\frac{1}{2}$ c lb. works as to quantity. Imports last week at New York were 176 drums. The active demand for this item has caused an increase in importations.

**Aloin**—Firm at 88c@90c lb. spot as to quantity.

**Amidopyrine**—Imported firm at \$4.75@\$4.85 lb. spot and domestic quoted at \$4.60@\$4.75 lb.

**Amyl Acetate**—Quiet after the active demand which prevailed during the past two months. Quoted at \$3.25 @ \$3.50 gal. spot for technical, and \$3.90@\$4.20 gal. for refined material.

**Bay Rum**—In better demand at 95c@\$1.05 gal. spot for St. Thomas, and 90c@\$1.00 gal. for Porto Rican material.

**Bismuth**—Metal quiet at \$1.35 lb. spot, and subnitrate at \$2.15 lb. Some dealers believe the bottom has been reached.

**Bromides**—Imported ammonium quoted firm at 50c@ 53c lb. spot as to quantity; potassium, 42c@44c lb.; and sodium, 43c@45c lb. Reports are heard that supplies for shipment can only be bought from second hands in Germany, the makers have nothing to offer at the moment. Potassium is quoted for shipment at 30c lb. c.i.f. New York, and sodium at 35c lb. Bromine is quoted at 90c kilo c.i.f. New York by German makers. Domestic named firm at 54c lb. spot; and 48c lb. for either potassium or sodium.

**Caffeine Alkaloid**—The expected advance has occurred. Makers now quote \$3.60@\$3.80 lb. spot as to quantity, although one manufacturer has not as yet raised his price, but is expected to in a day or so. Resellers have also raised their price to \$3.60@\$3.70 lb.

**Chloral Hydrate**—U.S.P. material has been reduced by makers, and is now quoted at 60c@65c lb. spot as to quantity. This reduction has been the first change in over two years.

**Camphor**—Japanese slabs have declined to 66c@67c lb. spot as to seller and quantity owing to slow demand. Domestic named at 80c lb. in bulk.

**Cocoa Butter**—Fingers firm at 35c@\$37c lb. spot as to quantity, and bulk goods at 29c@\$30c lb.

**Codliver Oil**—Norwegian has advanced sharply and now quoted at \$30.00@\$32.00 bbl. spot with prompt shipment named at \$29.50 bbl. c.i.f. New York owing to scarcity on spot as well as for shipment. Sellers are looking forward to a larger volume of sales in 1925 than in 1924.

**Formaldehyde**—Makers are still naming 9c@\$9 $\frac{1}{4}$ c lb. works, and carboys at 10 $\frac{1}{2}$ c lb.

**Fusel Oil**—While goods are obtainable at \$2.80@\$3.00 gal., some sellers are holding at higher prices.

**Glycerin**—Dynamite has advanced to 18 $\frac{1}{4}$ c lb. spot owing to better demand. Sellers appear to have the upper hand. C.P. is quoted firm at 19c@\$19 $\frac{1}{2}$ c lb. spot in drums as to seller.

**Menthol**—Spot has declined to \$12.25@\$12.75 as to quantity owing to a small amount of competition for orders. However, with an increase in demand, sellers are expected to raise their prices owing to the small stocks on spot. One importer says that the lowest menthol quoted for shipment out of Japan during the time of the purchase of the oil by the manufacturers, was \$10.50 lb. c.i.f. New York. Usually when the oil is ready to be distilled, the menthol price is dropped considerably in order to buy the oil at cheap prices. He further states that with menthol at a rather high figure during the cutting period, menthol ought not to drop lower during the next three months than the cheapest shipment price which prevailed at the time of purchase of the oil. All of the goods sold last Summer for Jan.-Mar. shipment have been disposed of to consumers, according to reports.

**Mercury**—Has advanced again and now quoted at \$83.00@\$85.00 flask as to seller with London quoting £14 5s per flask. While a number of importers are bullish on quicksilver, a few are inclined to believe that prices will decline rather than go higher.

**Podophyllin**—Easy at \$4.50@\$4.60 lb. spot by resale quarters, and \$5.00@\$5.25 lb. by makers.

**Potassium Permanganate**—Domestic is quoted higher at 15c@\$16c lb. freight equalized New York, and imported generally at 15c@\$16c lb., although for three ton orders 14 $\frac{1}{4}$ c lb. is possible. The domestic manufacturer will also take orders at 14 $\frac{1}{4}$ c lb., in fact, he will meet the imported price.

**Santonin**—Firm and active at \$150@\$157 lb. spot as to grade. High exchange rates is one of the causes of the firm market.

**Thymol**—Scarce and firm at \$5.00@\$5.25 lb. spot.

The Customs Service of the Treasury Department, Washington, D. C., has announced an allowance of drawback on mercurial preparations manufactured by the Mallinckrodt Chemical Works, St. Louis, with the use of imported mercury or with the use of primary products manufactured from imported mercury.

Dr. John Marshall, professor emeritus of chemistry and toxicology at the University of Pennsylvania, and one of the leading medical specialists of Philadelphia, is dead after a long illness. He was associated with the University for more than forty years.

The Navy Supply Officer, United States Navy Department, Whitehall Building, New York, has been authorized to ask bids and purchase 50,000 bottles of adrenalin chloride, 10 oz., each, as per M. & S. requisition 213.

D. G. LaShelle is now with Monsanto Chemical Works and is attached to the New York office.

## JAPANESE MINT OIL HIGHER IN LONDON

Quotations Advanced on Sodium, Bromide, Creosote Oil, Carbolic Acid and Mercury—Market Easier for Japanese Camphor, Menthol, Phenacetin, Balsam Tolu and Codliver Oil—Castor Oil, Cocoa Butter and Shellac Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Jan. 14.—Trading in crude drugs and fine chemicals is fair, Japanese mint oil for forward delivery has been advanced. Higher prices are announced on sodium bromide, creosote oil, carbolic acid, lime juice and mercury.

The market is firmer for benzoic acid and pepper. Prices are easier for Japanese camphor, menthol, Japanese mint oil on spot, phenacetin, balsam tolu and codliver oil.

Quotations are lower for castor oil, cocoa butter and shellac.

## VANILLIN IN GREATER CONSUMPTION

Unreasonably high prices for vanilla beans, which have prevailed for some time, have resulted in turning attention to the only alternative, vanillin, and the use of this product has expanded in consequence, according to W. G. Ungerer, of Ungerer & Co., New York, essential oil and aromatic chemical importers, who says: "The superior economy and equal effectiveness of vanillin is generally recognized today and unless vanilla beans drop to very low prices, doubt exists if they will ever regain any substantial portion of their lost markets. Even those who have been prejudiced in favor of the beans for years are coming to the opinion that equal results can be obtained by the intelligent use of vanillin and at vastly lower costs."

Presentation of the Perkin Medal to Hugh Kelsea Moore by the Society of Chemical Industry, American Section, will be made at the Chemist's Club, New York, on the evening of Jan. 16. The program, following the usual informal dinner, includes introductory remarks by Harlan S. Miner, "Impressions" by David Wesson, "Attainments" by John C. Olsen, and the presentation by Charles F. Chandler followed by the acceptance by Mr. Moore.

A bill, requiring that drugs, proprietary and patent medicines, chemicals, insecticides and fungicides, be sold only by registered pharmacists, or licensed dealers conducting places of business two miles from druggists, and under very restrictive conditions, is to be introduced into the North Dakota Legislature which convened Jan. 6. It is understood that a similar bill will be introduced into the legislatures of other states.

The Maryland section of the American Chemical Society held its January meeting on Jan. 9, in the new chemistry building of Johns Hopkins University, at Homewood. Among the speakers were Dr. F. O. Rice, professor of organic chemistry at Hopkins, and Carl Haner, Jr., general superintendent of United States Industrial Chemical Co., Baltimore.

The annual banquet of the Squibb Go-Getters Club, held at the Hotel Commodore, Jan. 3, proved to be a special tribute to Theodore Weicker, vice-president of the house of Squibb, who has been associated with the company for twenty years. He was presented with a hundred piece rock crystal service set.

A. G. Cailler, New York, menthol importer, will leave the end of this month for a two months' trip through Southern Europe. He expects to obtain some first hand information in regard to the Messina essences.

## The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 150-155

### BUCHU LEAVES ADVANCE TO 80c LB. SPOT

Cheap Outside Lots Greatly Reduced—Althea Root, Cuts, Higher—Decorticated Cardamoms Up Sharply—Manna Firmer—Cloves Lower—Lycopodium Firm and Active—Ergot Quiet Though Firm—Insect Powder in Competition—Valerian Root Higher

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

##### Advanced

Althea Root, Cuts, 3c lb.	Cardamom Seed, Decorticated, 25c lb.
Arcia Nuts, 2c lb.	Asafetida, U.S.P., Powd., 2c lb.
Balsams, Copaiaba, S.A., 1c lb.	Lupulin, 25c lb.
Para, 1c lb.	Manna, Large, 3c lb.
Buchu Leaves, 3c lb.	Small, 3c lb.

##### Declined

Valerian Root, Belgian, 1c lb.	Fumigating Pastiles, Red, 1c lb.
Cloves, Zanzibar ½c lb.	

#### Trend of the Market

	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P. ....	\$33	\$33	\$35	\$50	\$90
Buchu Leaves, Short ....	.80	.76	.76	.88	.85
Cantharides, Russian ....	.85	.85	.85	1.10	9.00
Cocculus Indicus ....	.12	.12	.03	.02½	.03
Ergot, Spanish ....	.60	.60	.60	.31	.54
Insect Powder, pure ....	.45	.44	.44	.67	1.00
Ipecac, Cartagena, Powd. ....	2.35	2.35	2.50	2.35	4.50
Nux Vomica ....	.05	.05	.05	.06	.07
Opium gum ....	12.00	12.00	12.00	8.00	30.00
Rhubarb Root, H. D. ....	.36	.37	.37	.34	.75
Tragacanth, No. 1, ribbon. ....	1.15	1.15	1.15	1.85	6.00
Wild Cherry Bk., thin nat. ....	.06½	.06½	.06½	.14	.21
Average .....	1.58	1.58	1.59	1.31	5.28
					1.60

While import business has been more or less restricted owing to high cost of botanicals from abroad, demand on spot has been sufficient to cause dealers to feel that consuming interest will be maintained for some time to come. An increase in the usual Monday orders was noted the first of the week. Although buying was not especially for round lots, the total volume was large enough to result in a number of scarcities. Dealers are quoting on a replacement basis, instead of attempting to cut prices to attract business. Some houses may be better supplied on certain items, and are holding their prices down to a minimum, but as soon as these stocks are taken off the market, prices will naturally move up in line with replacements. Buchu leaves are generally quoted at 80c lb. spot, but one seller is still naming 76c lb. Reports are heard that his stocks will not last out the week. Activity in cardamom seeds has resulted in sharply higher prices. Lycopodium is quoted at 75c lb. c.i.f. New York for shipment.

**Aconite Root**—While spot prices of 33c@35c lb. remain unchanged, shipment is reported firmer from a number of directions. Buying has been small, however. Leaves, 10c@12c lb.

**Agar Agar**—Stocks on spot scarce, especially No. 1, which is quoted at \$1.55@\$1.60 lb., and No. 3, at \$1.35 lb. Little is offered from Japan.

**Aletris Root**—Market unchanged at 42c@44c lb. spot as to quantity.

**Alkanet Root**—Firm and active at 8c@9c lb. spot.

**Aloes**—Curaçao steady at 10½c@11c lb. spot as to quantity, and as high as 15c lb. in a jobbing way. Stocks on spot reported not in excess of 1,500 cases. Practically all of last year's crop has now come out of the Islands. Cape, 8½c@9c lb.

**Althea Root**—Cuts have advanced to 45c@47c lb. spot as to seller owing to higher replacement values, which are said to be equal to current levels. Stocks have been materially reduced. Whole quoted at 11c@12c lb.

**Anise Seed**—Spanish firm at 15c@15½c lb. spot as to quantity. Star named at 11c@11½c lb.

**Arabic Gum**—Amber sorts generally quoted at 13c@13½c lb. spot as to quantity, although one house is doing 12½c lb.

**Areca Nuts**—Have advanced to 23c@24c lb. spot for whole nuts, and 25c@26c lb. for powdered material. Little export demand at the moment. Stocks of the whole, however, are scarce.

**Arnica Flowers**—Firm at 10c@11c lb. spot, and root at 25c@30c lb.

**Asafetida**—One seller is turning his whole goods into powdered material. Whole quoted firm at 23c@25c lb., and powdered higher at 40c@42c lb.

**Balsams**—Copaiaba, Para, higher at 43c@45c lb. spot in spite of the importation of 160 cases last week at New York. These stocks are reported already sold. South American also firmer at 46c@48c lb. For other balsams see "Essential Oil Market."

**Belladonna Leaves**—Price of 27c@28c lb. spot is in-side. Root named at 14c@15c lb.

**Blueflag Root**—Demand small in spite of the firm prices of 30c@32c lb. spot.

**Black Indian Root**—Quiet at 40c@42c lb. spot.

**Buchu Leaves**—Generally quoted higher at 80c@83c lb. spot in bales owing to higher replacements. The cheap lots have been practically cleaned out of the market. Based on import costs now, goods ought to sell for 85c lb. on spot.

**Calabar Beans**—Scarce at 14c lb. spot.

**Candelilla Wax**—Active at 32c@34c lb. spot.

**Caraway Seed**—Dutch reported in active consuming demand at 10½c@10¾c lb. spot, and African at 10c@10¾c lb. Holland is about ½c lb. higher than spot.

**Cardamom Seed**—Decorticated has advanced sharply, and now quoted at \$2.25@\$2.35 lb. spot owing to scarcity. Demand was especially active the last of the week, and has resulted in nearly a bare market for this quality. Bleached ranges from \$2.00 lb. up to \$2.40 lb.

**Cascara Amarga**—Steady at \$1.25@\$1.50 lb. spot as to quantity. So-called at 50c@52c lb.

**Cascara Sagrada**—Spot market quiet at 14½c@15c lb. with the Coast named at 13c lb. f.o.b. and up.

**Catnip Herb**—In small demand at 25c@29c lb. spot as to quality and seller.

**Celery Seed**—Market firm though quiet at 30c@30½c lb. spot.

**Chamomile Flowers**—For good quality 20c lb. spot is quoted, although goods are still obtainable for less. The crop last year was heavy, but the quality was quite poor. Hungarian, 6c@6½c lb.

**Cinchona Bark**—Active for broken at 25c@27c lb. spot, and red quills at 60c@70c lb.

**Cloves**—Zanzibar easier at 29½c@30c lb. spot owing to smaller demand.

**Colombo Root**—Quiet and easy at 3c@3½c lb. spot.

**Condurango Bark**—Importations have been so heavy of late that the spot market has been depressed. Quoted at 12c@14c lb.

**Cowhage**—Steady at 55c oz. spot.

**Damiana Leaves**—Scarce at 40c@45c lb. spot as to quantity.

**Dandelion Root**—Importers are generally firm at 24c@25c lb. spot as to quantity.

**Elm Bark**—Select firm at 27c@28c lb. spot, and grinding at 15c@16c lb.

**Ergot**—While price is firm at 60c@65c lb. spot, demand has been small.

**Fish Berries**—Supplies obtainable at 8½c@9c lb. spot as to quantity. Recent importations have been heavy, and prices have eased off in proportion.

**Fumigating Pastilles**—Red lower at 16c@17c lb. spot, and black nominal at 16c@17c lb.

**Golden Seal Root**—Export demand active. Quoted on spot at \$3.50@\$3.70 lb. spot for whole, and \$4.00@\$4.10 lb. for powdered material.

**Henbane Leaves**—U.S.P. quoted steady at 28c@35c lb. spot as to test and seller.

**Insect Powder**—Quoted on spot at 45c@47c lb. as to seller and quantity. Reports are heard that Dalmatia is not offering for shipment at the moment. Japan is offering, however, but importers are not inclined to buy at present. A quotation of 42c lb. spot was heard, but could not be confirmed.

**Ipecac Root**—Rio scarce at \$2.15@\$2.25 lb. spot for whole, and \$2.35@\$2.45 lb. for powdered material. Cartagena held at \$2.15 and \$2.35 lb., respectively, for whole and powdered.

**Juniper Berries**—Sellers name 5½c@8c lb. spot as to quality.

**Larkspur Seed**—Firm and closely held at \$3.00@\$3.50 lb. spot.

**Lobelia Herb**—Scarce at 40c@42c lb. spot. Demand, however, is quiet at the moment.

**Lupulin**—Higher at \$1.55@\$1.60 lb. spot as to quantity.

**Lycopodium**—Spot named scarce at 95c@\$1.10 lb. as to seller with shipment quoted at 75c lb. c.i.f. New York. One importer has an offer at 86c lb. c.i.f.

**Manna Leaves**—Large flakes higher at 82c@85c lb. spot, and small flakes at 45c@48c lb. owing to scarcity.

**Marjoram Leaves**—French scarce at 40c@45c lb. spot, and German at 29c@31c lb.

**Orris Root**—Florentine steady at 8c@9c lb. for whole, and 11c@12c lb. for powdered material.

**Rhubarb Root**—Steady at 36c@38c lb. spot for whole, and 42c@44c lb. for powdered goods. Imports last week at New York were 72 bales.

**Valerian Root**—Belgian higher at 23c@30c lb. spot as to seller owing to scarcity.

#### HUISKING HEADS DRUG SECTION

Drug and Chemical Section of the New York Board of Trade and Transportation, at its thirty-sixth annual meeting, held Jan. 7 at the Drug and Chemical Club, New York, elected the following officers: Chairman, Charles L. Huisking, of Charles L. Huisking, Inc.; vice-chairman, C. McK. Garrison, of Merck & Co.; treasurer, A. Hammann, of Roessler & Hasslacher; secretary, William F. McConnell. Edward Plaut, of Lehn & Fink, retiring chairman, was elected to represent the section as director on the Board of Trade and Transportation; C. C. Speiden, T. W. Day, Carroll Dunham Smith, A. Bakst and S. W. Frazer were elected to the executive committee.

Irving McKesson reported that the tares section had been adopted as standard by New York State Department of Farms and Markets.

Exportation of gum copal from Sierra Leone has been prohibited from Jan. 1 for three years, according to an order of Governor in Council.

#### Drug Trade Notes

Whiffen & Sons, manufacturing chemists, have moved their Battersea offices to Carnworth Road, Fulham, London, S.W. 6.

Dr. C. J. Herzog, of H. A. Metz Laboratories, Brooklyn, makers of medicinal chemicals, left last week for an eight weeks' tour of Europe.

Drugs exported during the first eleven months of 1924 which recorded advances were herbs, leaves, medicinal and pharmaceutical preparations.

Frederick August Ahrendt, for many years a chemist for United Drug Co., Boston, died Jan. 4, at Symmes Arlington Hospital, Arlington, Mass. at the age of 59 years.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Jan. 27, for alcohol for eastern and western yards, as per Schedule 3150.

Marion Ward, one of the founders of Ward Bros. & Co., wholesale drug house, later affiliated with Mooney-Mueller-Ward Co., died at his home in Indianapolis on Jan. 8.

F. W. Fink, one of the founders of Lehn & Fink, died of heart disease at Fulda, Germany, whither he had gone to visit relatives. He was 79 years of age at the time of his death.

E. S. Goulston, of Boston, a director in the Boston Molasses Co., and the Everett Distilling Co., died at his home last week after an illness of two weeks. He was in his 57th year.

Fifty-two "opposition letters" against the Cramton bill signed by as many members of Chicago Paint Club have been forwarded to Senator Borah, chairman of the Senate Judiciary Committee.

Dr. Daniel C. Mangan, for 32 years professor of chemistry and physics in Brooklyn College of Pharmacy, died at his home in Brooklyn on Jan. 6, of lobar pneumonia at the age of 59 years.

United Drug Co., has notified the Massachusetts Commissioner of Corporations that it will issue 180,817 shares of the 200,000 authorized in June 1921 for cash. The remainder will be used to exchange for Class A common stock of Liggett's International, Ltd.

Horatio S. Rubens, president U. S. Industrial Alcohol Co., will make a comprehensive study of conditions in Cuba giving particular attention to the sugar situation. It is thought that this first hand study of the raw material situation will determine the date for Industrial Alcohol's resumption of dividend payments.

St. Louis drug and chemical sales were larger during the past month than for the same period last year. The increase over a year ago was distributed generally through the line, but affected particularly heavy chemicals, sales of which have been augmented by demands from the metal industries.

Opium addiction in Japan is firmly held in check, according to a pamphlet issued at Geneva by Sagataro Kaku, former Civil Governor of Formosa and present leader of the Japanese delegation at the International Opium Conference. He says that the use of opium will probably come to an end with the death of the present addicts as none is allowed to the young.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 155, 156; Aromatic Chemicals, 156

### OIL LEMON FIRMLY HELD AT 97½c lb.

April Earliest Unsold Shipping Position—Spot Stocks Reduced—Oil Cassia in Good Supply—Oil Peppermint Advances Again—Oil Sandalwood, East Indian, Sharply Higher—Oil Wormseed Firm—Oil Orange Higher—Balsams Firmer

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

**Advanced**  
Oil Cardamom, \$3.00 lb.  
Oil Juniper Berries, 5s lb.  
Oil Linaloe, Mexican, 25c lb.  
Oil Orange, Italian, & lb.  
Oil Peppermint, Nat'l, 75c lb.  
Oil Sandalwood, E. Ind., 15c lb.  
Oil Wormseed, 10c lb.  
Geranilo, Dom., 25c lb.  
Balsams, Copaiaba, Para, 1c lb.  
South American, 1c lb.  
Redistilled, 75c lb.

**Declined**  
Oil Cassia, Redistilled, 5c lb.  
Oil Mustard, Artif., 15c lb.

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.45	\$3.45	\$3.75	\$2.75	\$7.00	\$5.00
Oil Citronella, Ceylon	.74	.74	.75	.90	1.02	.60
Oil Clover	2.00	2.00	2.10	2.50	3.70	1.40
Oil Lemon, Italian	97½	97½	.98	.72	1.70	2.00
Oil Peppermint, Nat'l.	11.00	10.00	9.50	8.25	9.00	2.25
Oil Sandalwood, E. I.	7.00	6.85	6.90	6.75	14.00	5.25
Oil Sassafras, Artif.	.35	.35	.35	.38	1.00	.25
Benzaldehyde, U.S.P.	1.50	1.50	1.60	1.50	3.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cans	.47	.47	.47	.47	1.00	.90
Vanillin	.49½	.49½	.49½	.53	.95	.20
Average	2.84	2.74	2.73	2.20	6.83	2.05

The movement of essential oils into consuming channels during the week has been in fair volume, but the larger users have stayed out of the market for the past two weeks in the hope that they could replenish stocks at lower prices. Sellers, on the other hand, believe that a lower average market is not possible at the present time owing to the limited stocks on spot. Buyers have been looking for a time when they could purchase on a downward trend, but with prices moving upward almost daily, they have been forced to take part of their requirements at high levels. With the high prices that rule in a few of the items, consumers who have contracts and do not need the goods now have sold out their position at a good profit. Some active buying from Canada has been reported, while a fair number of inquiries have been received from the Middle-West. Any attempt of consumers to beat down prices has been met by stiff opposition from first hands. Some fair business has been reported between dealers. Contract orders have also been active, especially for later shipment from abroad.

#### Essential Oils

**Oil Almond**—Supplies of sweet scarce on spot and little is offered for shipment. Quoted at 85c@90c lb. spot. Bitter named at \$3.15 lb., and ffpA at \$3.25 lb.

**Oil Angelica Root**—Demand routine only at \$28.00@ \$30.00 lb. spot.

**Oil Anise**—While price of 60c@62c lb. spot for U.S.P. and 55c@57c lb. for technical are still unchanged, the market is firm and an advance is entirely possible. Further reduction of stocks of high priced oil is reported.

**Oil Bay**—Market quiet with holders naming \$2.20@ \$2.35 lb. spot as to quantity.

**Oil Bergamot**—Coppers have been in fair demand at \$3.45@\$4.00 lb. spot as to quality and seller. Primary

DRUG AND FINE CHEMICAL SECTION

market is quiet, and little interest is being shown in forward deliveries. Europe reported taking fair quantities.

**Oil Bois de Rose**—In small supply at \$4.75@\$5.00 lb. spot as to quantity.

**Oil Calamus**—Sales being made between dealers only. Quoted at \$4.20@\$4.65 lb.

**Oil Camphor**—Japanese quoted steady at 14c@14½c lb. spot in cases, and 13½c@14c lb. in drums. Imports last week at New York from Shanghai were 93 drums.

**Oil Caraway**—While supplies are still quoted at \$2.75@\$2.85 lb., some holders want as high as \$3.00 lb. Buying, however, is small, and with a continuation of the absence of interest the market is not expected to react upward.

**Oil Cardamom**—Has advanced and now quoted at \$36.00@\$38.00 lb. spot as to quantity owing to firmer spot prices.

**Oil Carvol**—Quiet at \$9.50@\$10.50 lb. spot as to quantity.

**Oil Cassia**—Redistilled has declined, and now quoted at \$2.60@\$2.70 lb. spot as to quantity, and technical at \$2.15@\$2.25 lb. Supplies have been arriving in larger quantities with the result that a slightly weaker market has been noted. Imports last week at New York were 30 drums. Shipment prices holding steady.

**Oil Cedar Wood**—Nothing offered for shipment until February. Supplies on spot estimated below 1,000 pounds, but one house thinks that this figure is too conservative. Arrivals next month offered at 80c lb. Spot goods held at 80c@85c lb.

**Oil Citronella**—Ceylon is in steady demand at 74c@ 81c lb. spot as to seller in drums, and 77c@84c lb. in tins. Primary market firm owing to advance in exchange rates. Any movement of goods into consuming quarters will reflect directly on current prices. Trading between dealers active. Java reported up to stay. Business on spot restricted owing to scarcity of goods. Considerable Guatemala oil has been sold in New York, since Java has become so scarce. Java quoted nominally at \$1.50 lb.

**Oil Cloves**—Firm and active at \$2.00@\$2.10 lb. spot for cans, and \$2.10@\$2.20 lb. for bottles.

**Oil Erigeron**—Country reported firm and inside at \$3.50 lb., and spot named at \$3.75 lb. and up.

**Oil Eucalyptus**—Spot quoted steady at 57c@59c lb. in drums, and 59c@61c lb. in cases. Replacements about equal to these figures.

**Oil Juniper Berries**—Have advanced to \$1.90@\$2.00 lb. spot owing firmer ideas of sellers. Sales of goods afloat have been made \$1.50 c.i.f. New York.

**Oil Lemon**—Italian firm at 97½c@\$1.15 lb. spot as to seller and quantity with nothing to offer before April shipment, and this is named at 69c@71c lb. c.i.f. New York as to quantity. American, 85c@90c lb.

**Oil Linaloe**—Mexican has advanced and now quoted at \$3.85@\$4.10 lb. spot owing to scarcity.

**Oil Mustard**—Artificial has declined to \$2.85@\$3.00 lb. spot as to quantity due to small demand and accumulation of spot stocks.

**Oil Orange**—Italian higher at \$2.85@\$3.10 lb. spot

with shipment named at \$2.20 lb. c.i.f. New York. Buying has been active, thereby reducing spot stocks. West Indian, \$2.70@\$2.80 lb., and American at \$2.75@\$2.80 lb.

**Oil Peppermint**—Natural has advanced sharply again, and now quoted at \$11.00@\$11.25 lb. spot, and redistilled at \$11.50@\$11.75 lb. Supplies reported near exhaustion in the country. In similar cases, however, country operators have been able to furnish supplies, providing the price was attractive.

**Oil Sandalwood**—Higher at \$7.00@\$7.25 lb. spot owing to active demand and firmer replacement costs. Reports are heard that the Department of Agriculture has stopped the sale of the Australian product, pending disposition of all spot goods by the Department. The Australian oil is not a U.S.P. product.

**Oil Wormseed**—Higher on spot at \$3.25@\$3.35 lb. in spite of the larger 1924 crop, compared with 1923. The production during 1923 was far below normal, however.

#### Balsams

**Peru**—Slightly higher at \$2.00@\$2.10 lb. spot as to quantity. Spot stocks becoming reduced.

**Tolu**—Has advanced to \$1.70@\$1.80 lb. spot.

#### Vanilla Beans

**Bourbon**—Steady at \$9.00@\$10.00 lb. spot as to quantity.

**Mexican**—In active demand at \$11.00@\$12.00 lb. spot for whole, and \$9.00@\$10.00 lb. for cuts.

#### Aromatic Chemicals

**Geraniol**—Domestic firmer owing to higher raw materials, and now quoted at \$4.00@\$4.25 lb. spot, and imported at \$4.50@\$5.00 lb.

**Coumarin**—In active demand at \$3.25@\$3.45 lb. spot by makers, and \$3.25@\$3.30 lb. from resale quarters.

**Ethyl Butyrate**—Firm and active at \$2.25@\$2.50 lb. spot.

**Methyl Acetophenone**—Slightly lower at \$3.25@\$3.40 lb. spot as to quantity.

**Terpineol**—Quoted on spot at 42c@44c lb. in drums, and 47c@49c lb. in cans. Business has been put through in the Middle-West as low as 38c lb. Competition keen among makers.

**Vanillin**—In active demand at 49½c@50c oz. spot as to quantity.

#### YLANG YLANG, BOURBON, CABLED HIGHER

Bourbon oil, ylang ylang, is quoted for shipment at \$8.50 to \$9.50 per pound for first quality, according to cables received in New York on Tuesday. Offers are somewhat limited and no one holder in France has more than 30 kilos of oil to place on the market. First hands are buying the oil readily, and importers are looking for an upward swing in the spot market as soon as stocks in New York have moved into consuming channels. The crop is reported insufficient, and coupled with limited amount of spot stocks, higher prices seem possible. Reports from London state that supplies there are small.

Leon M. Villalon, in charge of the essential oil and aromatic chemical export business of Ungerer & Co. in South and Central America, Mexico and Cuba, has just returned to New York after some time spent in Cuban cities. He reports a regular, though slow, recovery in general business in Cuba despite some lingering effects of the financial crisis of a few years ago. Ungerer & Co. report that Spanish American countries offer a promising field for high grade perfume materials, but that the business in cheap synthetic products goes mostly to Germany.

#### AUSTRALIAN OIL SANDALWOOD HELD UP

Recent heavy importations of so-called oil sandalwood, Australian, have been brought to the attention of the Department of Agriculture as the oil is not officially recognized as oil sandalwood, although the arrivals were entered through the Customs as a U.S.P. product. The Department of Commerce has notified all importers of the Australian oil that goods entered recently must not be disposed of, but must be held at the disposition of the Department of Agriculture.

Stocks of the Australian material have been reported heavy, and if the Department rules that these goods can be sold only under its correct name, and subject to affidavit that the oil is being used for technical purposes only, the trade believes that the Australian product will become a "drug" on the market. The Australian oil referred to as "sandalwood" is distilled from the wood of "Fusamus Spicatus," while the only oil recognized as genuine by the U.S.P. and the B.P. is the East Indian oil, which is distilled from the wood of "Santalum Album." The Australian oil has been selling freely at \$5 per pound, compared with \$7.20 per pound for the East Indian material, with the possibility of higher prices for the East Indian owing to scarcity.

Colgate No. 2 bowling team defeated the Drug Trade Seniors two games out of three on Jan. 5 in the Wholesale Drug Trade Bowling Association Tournament at Colgate's Alleys, Jersey City. Plasecki and Norton, of the Colgate team, and Forman and Hoering, of the Seniors, rolled clean games. During the same evening, Colgate No. 1 team won two out of three games from Biddle Purchasing Co.'s team. Kellogg, of Colgate No. 1 team, and Howe, of Biddle Purchasing Co., rolled clean games.

Vivaudou, Inc., is permitted to use the names "Narcisse Noire," "Narcisse Jaune" and "Narcisse de Chine" by a decision of the Circuit Court of Appeals in reversing the decision of the U. S. District Court, New York. The original decision was in favor of Caron Corp., restraining Vivaudou from the use of the names as registered trademarks. The decision of the Court of Appeals says Caron Corp. has no right to a monopoly of the names of flowers.

Distillation of oil wormseed during 1924 season is estimated at 61,000 to 63,000 pounds, compared with 37,000 pounds in 1923, according to a survey of the industry by several associations in Carroll County, Md. The increase is due principally to the larger acreage devoted to wormseed plantations, and not so much to the yield per acre. A number of new distillers have been listed.

Exports of American essential oils for the first eleven months of 1924 amounted to \$1,548,000 (1,212,000 pounds), an advance of 70 per cent over the corresponding 1923 period. England is one of the leading factors in this trade, purchasing large amounts of peppermint oil.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (43095) from a company at Lahore, India, for heavy chemicals, glass products for chemical use, perfumery and oils, chemists' and druggists' supplies.

Houbigant, Inc., will appear before the Federal Trade Commission on Feb. 4, to show reason why the commission should not issue an order restraining the perfumery company from maintaining prices as charged in a complaint filed last week.

Ungerer & Co. call the attention of the trade to the appropriation of trade-mark names, registered by Ungerer & Co., by firms who vary the spelling slightly in the case of Sapodor and other products.

## MEYER BROS. BUY FINLAY, DICKS &amp; CO.

St. Louis Drug Company Said to Have Paid About \$300,000 for New Orleans House—F. A. Dicks Retires

(*Special to DRUG & CHEMICAL MARKETS*)

St. Louis, Jan. 14.—Meyer Brothers Drug Co., St. Louis, has acquired the firm of Finlay, Dicks & Co., New Orleans, on Jan. 6, with all its assets and goodwill, thereby obtaining a central distributing point for southern trade and export to South and Central American countries. The sale was made on a cash basis with conditions satisfactory to both parties.

The deal was concluded by Carl F. G. Meyer, president, and John C. Vaughan, treasurer of Meyer Bros. No changes will be made in the personnel of Finlay, Dicks & Co., except that Stanley B. Simpson, second vice-president of Meyer Bros., will be temporarily in charge of operations at New Orleans. F. A. Dicks, president of Finlay, Dicks & Co., and his brother, D. B. Dicks, are retiring from the drug trade.

## Price Paid Finlay, Dicks &amp; Co.

New Orleans, Jan. 14.—Meyer Brothers Drug Co. is said to have paid \$300,000 for Finlay, Dicks & Co. John C. Vaughan, treasurer, told the correspondent of DRUG & CHEMICAL MARKETS that the local establishment as it now stands will not be large enough to house the plant which his company intends to operate in this city in the near future. All former employees of Finlay, Dicks & Co. will be retained and the number will be augmented.

"We made a survey of the country," Mr. Vaughan said, "and decided upon New Orleans as the most logical location for our first branch plant. We have noticed the increasing business prosperity in your city and plan to grow with it. New Orleans will afford us an excellent export point and is already useful to us for imports. We will transfer our export service to New Orleans, although superintending it from the St. Louis office."

New York and Pennsylvania and New England states excepted, the Meyer Brothers Drug Co. maintains establishments in every state in the union. The establishment in this city will be its only branch plant.

In making the announcement of the sale of his property, Mr. Dicks declared that the transfer of his business had been actuated by his desire to retire from active business life. Mr. Dicks organized the local wholesale drug company thirty years ago and developed it until it became the leading drug distributor in the State. The price paid does not include the site upon which the business is located.

United Drug Co. has filed an amended certificate of capitalization with the Massachusetts Commissioner of Corporations, under which formal notice is given of the action of the directors in authorizing \$18,081,700 of common stock, bringing the total up to \$55,000,000. This does not constitute new financing as it is not proposed to issue this stock for cash. The stock was originally limited to \$20,000,000, of which \$15,000,000 was reserved for conversion of the 8 per cent bonds due in 1941. The bonds were retired on Dec. 15 last, so that this stock is no longer required for conversion purposes. It is not the intention of the directors to issue this stock now or in the immediate future, but it was deemed necessary to have on file with the proper authorities, application giving directors authorization to issue this stock for purposes other than exchange for Liggett's International or conversion.

## CHEMISTS DISCUSS ALCOHOL FOR MOTORS

(*Special to DRUG & CHEMICAL MARKETS*)

Boston, Mass., Jan. 14.—A general discussion of alcohol featured a gathering of 200 chemists from Massachusetts, Rhode Island and Connecticut, at the sectional meeting of the American Chemical Society on Saturday at Boston University. The conference opened in the afternoon with a discussion of alcohol as a possible substitute for gasoline. A paper read by Hervey J. Skinner, president of Skinner, Sherman & Esselen, Inc., of Boston, entitled "Alcohol as a Motor Fuel" was an interesting feature of the gathering.

In a discussion of the "Pharmacology of Alcohol and Associated Products," Dr. Reid Hunt of Harvard Medical School stated that there is little accurate information as to just what are the poisonous properties of bootleg liquor. He said that in his belief, which is based on experiments with animals, the bad results from drinking bootleg liquor are due to the quantity of it consumed rather than from its quality. Other speakers were B. R. Tunison of U. S. Industrial Chemical Co., New York, George Claeingaert, of the University of Brussels, now research associate of the Department of Chemical Engineering at Massachusetts Institute of Technology, and Miss K. M. Ware of the Massachusetts Department of Health.

W. L. Crounse, Washington representative of the National Wholesale Druggists Association, charges that the Prohibition Unit is encroaching on the functions of the Internal Revenue Bureau, of which it is a part. He states that secret office rules exist whereby applications for industrial alcohol are referred to local prohibition directors after action by Internal Revenue Bureau officials. He declares that there is a lack of sympathy on the part of many prohibition officials, pointing out several instances where apparently arbitrary refusals were made merely to cut down the withdrawals of whiskey and grain alcohol, accompanied by the statement: "We have to treat you manufacturers just exactly as we treat the bootleggers."

L. E. Burton, of Sullivan, Ind., has been appointed drug and pharmaceutical expert of the Chemical Division of the Department of Commerce. Mr. Burton is a graduate pharmacist and specialized at George Washington University, in chemistry and pharmacy. He subsequently spent a year and a half in the Naval Medical School. He will take up his duties on Jan. 19.

The 29th Chemists Exhibition, organized by the "British & Colonial Pharmacist," will be held in the Holland Park Hotel, London, W., from May 4 to 8, 1925. All members of the drug and chemical trades who are in England during the week will receive a cordial welcome on presentation of their professional or business cards.

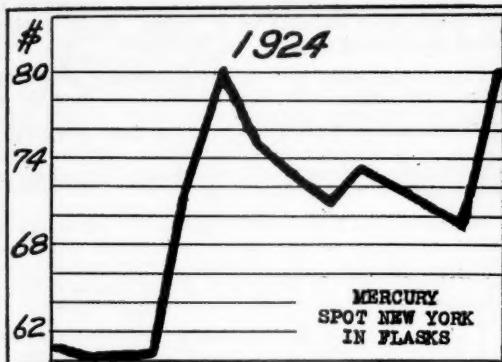
James F. Couch has been elected president of the Washington, D. C., Chapter of the American Institute of Chemists. Other officers elected include Doctor Harrison G. Patten, vice-president; J. N. Taylor, secretary, and Dr. H. L. Lourie, treasurer. Prof. Charles E. Munroe was elected honorary president of the chapter.

Harry F. Guenther, treasurer of the Northern Ohio Druggists Association, was the guest of honor at a banquet in Cleveland given by members of the association to celebrate his election as treasurer of the National Association of Retail Druggists.

The fine organic and medicinal chemical section of the Synthetic Organic Chemical Manufacturers' Association met at a luncheon session at Hotel Commodore, New York, on Jan. 13.

## QUICKSILVER SCARCE IN ALL MARKETS

When mercury touched \$60 per flask, about a year ago, first hand dealers predicted that buying would take place that would reduce stocks and cause the price to advance sharply, and some even said that \$100 mercury was a possibility. The market advanced slightly, but the consuming demand was absent, and quicksilver never passed \$83 on this movement. As the Fall season was entered, and production was started again, sellers thought that prices would recede to a point where consumers would buy. With stocks now scarce in practice-



ally all the markets of the world, consumers are buying in an attempt to cover themselves for Winter requirements. The same situation as last Spring confronts the buyer, and from the sellers' point of view, much higher prices are possible.

Supplies on spot are estimated inside of 200 flasks, and stocks in London are well controlled at £14 5s per flask. Spain is quoting £13 15s ex-mine per flask, and Italy is naming 1,575 lire per flask. With the possibility of higher prices, domestic production is increasing, but large importers of mercury say this increase will have little effect on the market.

## LYCOPODIUM MOVES TO HIGHER LEVELS

With a short crop in Poland and with several Russian exporters defaulting in meeting contracts, the lycopodium market appears to be following that of two years ago, when the price advanced from 75c pound to \$3.50 per pound, within a few months. The best price now quoted for shipment is 75c per pound, ranging up to 90c per pound as to seller, compared with 40c pound two months ago. Supplies abroad are difficult to locate, and sellers are expecting much higher prices. During the past year, prices were not satisfactory to the gatherers with the result that first hands have been handling less and less material. England is reported bare of stocks, and is now in the market for supplies.

Stocks on spot are concentrated in few hands, and reports state that one holder who had 15 tons, is practically sold out. A few months ago the price advanced, but demand fell off with buyers taking only quantities for actual needs. When the price advanced from 55c pound to 95c pound within a week, the scarcity of spot stocks is confirmed.

Eldridge Chemical Co., Niles, O., has been sued in Cleveland Common Pleas Court by Fred G. Clark Co., and a receiver asked on the ground that the company is insolvent.

Chemists Club, New York, will hold an informal reception and dance for members and their families on Saturday afternoon, Jan. 17.

## The Editor's Correspondence

## Tinctures and Extracts Under Cost

Editor, DRUG & CHEMICAL MARKETS:

In your article "Prohibition and the Extract Business" in the issue of Jan. 7th, we find that we have been misinterpreted. The representative who interviewed us failed to grasp the real gist of our opinion gained through an intimate relationship with the flavoring extract business for nineteen years.

There are few, if any, of the firms mentioned in your magazine who are newcomers in the flavoring extract business. Several of them we have known for a great many years. Others expanded in the few years just prior to the advent of prohibition. In the early stages of prohibition, it was indeed a very simple matter for the procurement of ample alcohol for the needs of the extract manufacturer. A bond was filed, formulae submitted and an allotment was granted by the Internal Revenue Dept., later by the Prohibition Dept. A monthly report showing consumption was then adopted which only reminded the extract manufacturer that he had an alcohol permit and a bond and that they were matters that had to be complied with.

There are few if any of the firms mentioned who have had to start anew in the flavoring extract business as we were forced to in January, 1924, with ample facilities, plenty of business, but only to find that the major obstacle was the Prohibition Dept.

We wonder if any of these firms have ever appeared before the Central Committee of the Prohibition Dept. to ask for an increase as the writer has? We brought all our orders, etc., with us, and filed affidavits to show legitimate consumption of spirits. And what a mess. To be told that after consideration by this committee, we would be informed as to the committee's decision. Days and weeks passed, and the committee allowed 50 per cent of the quantity applied for.

Why is it that you can purchase such items as tincture of Jamaica ginger, lemon extract, orange extract, tincture of iodine, U.S.P., for less money than the extract manufacturer can produce them? It is not so very many weeks ago that the writer had the pleasure of visiting one of the large wholesale druggists, and while there overheard an order being placed for one of the above items in lots of 100 gals. at \$4.00 a gallon, and turning about remarked, "That price, in my opinion, is much below what you could purchase the ingredients for." It is up to the extract manufacturer to better conditions, not alone for himself but for others who are striving to exist against conditions that are daily becoming unbearable.

With special regard to pure vanilla extract, our firm is not over-anxious to push this item. We find that the substitute is serving the same purpose to the majority of our customers who formerly were wedded to the pure article. In this particular respect, we are reminded that some forty years ago vanillin was selling for \$5.00 an ounce, and coumarin at that time was in its bare infancy, and extracts were made from the bean.

Another big factor and very vital one necessary to the stabilization of the alcohol industry is the reduction of the tax on alcohol to its original pre-war tax. This would, in our opinion, drive out all the unscrupulous manufacturers, remedy the special denatured alcohol situation, and add a blessing to the sound and legitimate flavoring extract manufacturer.

C. H. LEWIS & CO., INC.,  
C. H. Lewis, President.

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—.833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	—.264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	—.454	Kilogram
1 Kilogram	—2.20	Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

## Chemicals

ACETANILID, tech. 150 lb bbls. lb	.28	.28	ACID	ACID (Cont.)
100 lb kgs. ....	.27	.30	Sulphur, 60% pure 5 lb bot. ....	Hydrobromic, 48% coml. 155 lb
USP 200 lb bbls. ....	.36	.38	C.P. 10 lb bot. ....	chs. wks. ....
Second Hands ....	.35	.36	12.5 lb bot. ....	.45
Acetic Anhydride ....	...	...	25 lb tins ....	.48
85-89%, 107 lb crys. ....	.38	.40	5 lb drs. or bot. ....	40% coml. 10 chrys. wks. lb
90-95%, 100 lb crys. ....	.41	.45	1 lb bot. ....	10% USP 155 lb crys. wks. lb
CP, 100 lb crys. ....	.75	.80	112 lb tins ....	CP, USP, 110 lb crys. ....
Acetone, CP 700 lb drs. c/l wks. lb	.12	.12 1/2	25 lb tins ....	.27
700 lb drs. c/l wks. ....	.13	.13 1/2	5 lb drs. or bot. ....	.28
350 lb drs. c/l wks. ....	...	.14	1 lb bot. ....	.30
Acetone, 50 gal. drums ....	...	.37 1/2	Carbolic, USP crys. see also Phenol	.35
Acetone Oils, light, drs. wks. ....	1.40	.45	112 lb tins ....	.36
Heavy, drs. wks. ....	1.40	.45	25 lb tins ....	.39
Acetophenetidin, 150 lb bbls. ....	1.85	.90	5 lb drs. or bot. ....	.52
Acetyl Chloride, 100 lb crys. ....	.40	.41	1 lb bot. ....	.55
Acid, 1, 2, 4, 250 lb bbls. ....	...	1.20	Liquid USP, 1 lb bot. ....	.56
Acetic, 35%, 400 lb bbls. c/l wks. ....	100 lb	...	Crude, 25% 50 gal. bbls. gal	.58
28%, c/l wks. ....	100 lb	...	10% 50 gal. bbls. gal	.58
56%, c/l wks. ....	100 lb	...	Carbonic, see Carbon Dioxide	.58
56%, c/l wks. ....	100 lb	...	Chloracetic,	.58
70% bbls. c/l wks. ....	100 lb	...	mono 100 lb bbls. wks. ....	.25
70% c/l wks. ....	100 lb	...	DI. 150 lb crys. wks. ....	1.00
70% c/l wks. ....	100 lb	...	Tri. 425 lb bbls. wks. ....	2.50
70% c/l wks. ....	100 lb	...	Chlorosulfonic, 1500 lb drs. wks. ....	.15
70% c/l wks. ....	100 lb	...	...	.16
80% coml. bbls. c/l wks. ....	100 lb	...	Chrome, USP 200 lb drums. ....	.40
80% coml. c/l wks. ....	100 lb	...	85% Pure, 200 lb drums. ....	.36
80% pure bbls. c/l wks. ....	100 lb	...	Chromotropic, 300 lb bbls. ....	1.35
80% pure c/l wks. ....	100 lb	...	Chrysophanic, see Chrysanthemic	...
Glacial, bbls. c/l wks. ....	100 lb	...	Cinnamic, 5 lb cans. ....	3.25
Glacial, c/l wks. ....	100 lb	...	CITRIC, USP cryst. 230 lb bbls. lb	...
Glacial USP drs. wks. ....	100 lb	...	Powd. USP, 200 lb bbls. lb	...
Acetylcellulose, 230 lb bbls. ....	.75	.85	Imported, crys. 112 lb kgs. ....	.45 1/2
Second Hands ....	...	.75 1/2	Single kgs. ....	.47
Anthranilic, tech. drs. ....	...	.94	Cloves, 250 lb bbls. ....	.95
99-100%, 100 lb drs. ....	...	1.00	Cresylic, 95% dark dr. NY. ....	.55
Benzoic, tech. 100 lb bbls. ....	...	.65	97-99% pale, drs. NY. ....	.60
Tech. too. lots bbls. ....	...	.60	Crude, spot, drums. ....	...
USP, 100 lb bbls. ....	.75	.80	Diethylbarbituric, Dom. 25 lb lots. ....	...
Second Hands ....	.70	.75	1 lb bot. ....	8.00
Boric, crys. powd. 250 lb bbls. ....	...	.09 1/2	Imp. 10 lb lots. ....	4.25
Kgs. 100 lb	...	.10	Formic, 85% tech. 140 lb drs. ....	.10 1/2
Brenner's 250 lb bbls. ....	...	.12 1/2	90%, 80 lb crys. incl. ....	.11
...	...	1.25	Gallie, USP, 150 lb bbls. ....	...
			Gamma, 225 lb bbls. wks. ....	1.40
			H 225 lb bbls. wks. ....	1.85
			Hydrobromic, 10% USP 5 lb bot. ....	...
			...	.75

**Chloride of  
GOLD-C. P.**

For Photographic, Platers  
and Medicinal Use

**SILVER SALTS**

For  
Dyestuff  
Manufacturers

**Nitrate of  
SILVER-C. P.**

For Glass and Mirror  
Makers, Platers, Photo-  
graphic and Medicinal Use

Let us know your requirements

**COOPER'S  
Certified  
CHEMICALS**

**CHAS. COOPER & CO.**

194 Worth Street, New York

Manufacturers  
Since 1857  
Works, Newark, N. J.



**Things You Look For**

Every careful buyer looks for **Quality**, **Delivery** and **Price**. Those who come to us for **Pharmaceutical Chemicals** know that their confidence in our quality, delivery and prices is never misplaced.

*Amidopyrine*

*Antipyrine*

*Cacodylates*

*Zinc Oxide*

*Bromides*

*Salicylates*

*Iodides*

*Zinc Stearate*

**E. FOUGERA & CO.**

INCORPORATED  
90-92 Beekman Street, N. Y.

**FOUGERA**

**P-W-R**

**Bismuth Preparations      Bromides**

**Codeine and Salts**

**Creosote      Creosote Carbonate      Ether      Iodides**

**Calomel and other Mercurials**

**Acid Citric and Citrates      Chloroform**

**Morphine Sulphate and other Morphine Salts**

**Opium      Hypophosphites      Phenolsulphonates**

**Quinine Sulphate and other Quinine Salts**

**Salicylates      Silver Salts      Strychnine**

WRITE FOR CATALOG OF OUR ENTIRE LIST



**POWERS-WEIGHTMAN-ROSENGARTEN CO.**

**MANUFACTURING CHEMISTS**

**New York      PHILADELPHIA      St. Louis**

**HYDRO  BRAND**

**AQUA AMMONIA**

*A New Standard of Purity*

**MADE FROM SYNTHETIC AMMONIA AND PURE WATER**

**26° BAUME**

*Shipments in Drums and Tank Cars from Niagara Falls, New York*

**THE AMMONIA CORPORATION** **65 BROADWAY, NEW YORK**

## Chemicals

ACID	ACID				ACID			
MURIATIC, 50° chys. lc/l wks.....100lb 1.00 : 1.75	Steric, 450lb bbls.....lb	...	...	.80	Tungstic, 100lb kegs.....lb	...	...	: 1.00
Chys. e/l wks.....100lb 1.30 : 1.25	Bbls, car lots wks.....lb	...	.20	.25	Valeric, C.P., 10lb bot.....lb	2.50	...	: 2.75
Tank cars, wks.....100lb 1.00 : 1.10	Pyrogal, crys. 5lb cans.....lb	1.25	1.80	Acoritine Alk. cryst. 1 oz. vls.....oz	...	...	: 30.00	
18°, 120lb chys. e/l wks.....100lb 1.00 : 1.10	Residuum, 5lb cans.....lb	1.55	1.65	Amorphous, 1 oz. vls.....oz	...	...	: 20.00	
Tank cars, wks.....net ton .....	Tech. powd., 200lb bbls.....lb	...	.85	Adeps Lanase, hydrous 350lb bbls.....lb	.15	...	: .21	
22°, 120lb chys. e/l wks.....100lb 1.75 : 2.00	Salicylic, tech. 125lb bbls.....lb	.33	.34	Anhydrous, 350lb bbls.....lb	.18	...	: .23	
Irons, free 20° chys. e/l wks.....100lb 1.00 : .....	USP, 100lb bbls.....lb	...	.35	Albumen, Egg, edible .....lb	...	...	: 1.35	
Tank cars, wks.....net ton .....	Second Hands .....lb	.32	.33	100lb drs.....lb	.50	...	: .55	
Muriatic, CP & USP, see Acid Hydrochloric Naphthionic, tech. 250lb bbls. ....lb	Sulfamic, 250lb bbls.....lb	.16	.20	Blood .....lb	.45	...	: .50	
Refined, single bbls. ....lb	SULFURIC, 66° 180lb chys. lc/l wks.....100lb 1.60 : 1.85	...	...	Vegetable .....lb	.60	...	: .70	
Neville & Winter's, 250lb bbls.....lb	Chys. e/l wks.....100lb 1.60 : 1.85	...	...	ALCOHOL, CER 190 pf. 50 gal. bbls .....gal	4.92	...	: 5.01	
NITRIC, 68°, 135lb lc/l chys. wks.....100lb 4.75 : 5.25	1500lb Drums, lc/l wks.....100lb 1.25 : 1.10	...	...	Second Hands, bbls, USP 190 pf. ....gal	...	...		
Chys. e/l wks.....100lb 4.50 : 4.75	Tank cars, wks.....net ton .....	...	14.00	Export, USP, 190 pf. ....gal	.60	...	: .85	
38° lc/l chys. wks.....100lb 5.25 : 5.75	60° 1500lb Drums lc/l wks.....100lb .75 : 1.00	...	...	Cognac Spirit, 50 gal. bbls, gal	5.00	...	: 5.10	
Chys. e/l wks.....100lb 5.00 : 5.25	Drums, e/l wks.....lb .65 : .75	...	...	WATER, see Methanol Alcohols also in 50 gal. drums extra and returnable.				
40° lc/l chys. wks.....100lb 5.75 : 6.00	Tank cars, wks.....net ton 9.00 : 9.50	...	...	Butyl, 50 gal. drums, wks.....lb	...	...	: 28½%	
Chys. e/l wks.....100lb 5.50 : 5.75	C. F. 175lb chys.....100lb .08 : .09	...	...	Tank cars, wks.....lb	...	...	: 28½%	
42° lc/l chys. wks.....100lb 6.25 : 6.75	Oleum 30 p.c. 1500lb drums lc/l wks.....100lb 1.50 : 1.75	...	...	Isobutyl, crude 50 gal. drums, gal	...	...		
Chys. e/l wks.....100lb 6.00 : 6.25	Drums, e/l wks.....100lb 1.35 : 1.50	...	...	Refined, 10 lb cans .....lb	1.10	...	: 1.30	
C. F. chys. single wks.100lb .13 : .16	Tank cars, wks.....net ton 17.00 : 18.00	...	...	Isopropyl, Refined, 90-91%, 50 gal. drs. ....gal	...	...	: 3.75	
Oxalic, 300lb bbls, wks.....lb 10% : .11	Contract cars, wks.....ton .....	...	...	Ref'd, 98-99%, drs. ....gal	...	...	: 4.75	
Bbls, NY .....lb 10% : .11	Oleum, 40% drs lc/l wks. net ton .....	...	40.00	Propyl, nml. ercd. 50 gal. drs, gal	...	...	: 4.40	
Kegs, 100lb NY .....lb 10% : .11½	Oleum, 60% drs, lc/l wks. net ton .....	...	60.00	Refined, 10 lb cans .....lb	...	...	: .75	
Imp., 560lb cans .....lb 10% : .11	Sulfurous, USP 6% 100lb chys. lb .05 : .06	...	...	Denatured				
Phosphoric, 100% domestic ..lb 9.20 : 9.60	4% 100lb chys. ....lb .04 : .05	...	...	No. 1, Complete Denat. 190 Proof 50 gal. bbl. incl. ....gal	.85½	...	: .67½	
Imported, 5 lb. ....lb 7.00 : 7.25	USP, 5 gal. demuls. ....lb .06 : .08	...	...	Car lots, ....gal	...	...	: .63½	
Phosphoric, 50% tech., 150lb crys. ....lb .07 : .08	Tannic, tech. 300lb bbls. ....lb .30 : .40	...	...	50 gal. drms, extra ....gal	.58½	...	: .60½	
URF, Spryng 85°, 70lb. demis .....lb .15 : .17	USP, powd. 200lb bbls. ....lb .75 : .80	...	...	Car lots, ....gal	...	...	: .56½	
Imported .....lb .15 : .16	USP, fluffy, 50lb bbls. ....lb .75 : .80	...	...	No. 1, Special Denat. 190 Proof 50 gal. bbl. incl. ....gal	.64½	...	: .66½	
Second Hands .....lb .15 : .16	Tartaric, USP, cryst 300lb bbls. ....lb .27 : .29	...	...	Car lots, ....gal	...	...	: .62½	
Phthalic, see Phthalic Anhydride Picramic, 300lb bbls. ....lb .07 : .50	USP, powd. 300lb bbls. ....lb .27 : .29	...	...					

# ACETATES

AMYL      BUTYL      ETHYL

### AMYL BUTYL ETHYL



**The Miner Edgar Company**  
*Rail and Water Facilities*  
110 William Street  
New York

# GENERAL CHEMICALS



The year 1925 finds the General Chemical Company organization even better equipped to serve the user of

## GENERAL CHEMICALS

The advantages of securing your standard materials from a nation-wide organization are very real. Every order, every inquiry—whether for a year's supply or a single delivery—receives equal and prompt attention.

You are assured of satisfaction.

### SULPHURIC ACID

Oil of Vitriol—Oleum—Mixed Acid—Battery Acid

ALUMINUM SULPHATE

HYDROCHLORIC ACID

GLAUBERS SALT

NITRIC ACID

ACETIC ACID

SODIUM SULPHIDE

Redistilled, Pure and Glacial

Chip. Pat'd.

DI SODIUM PHOSPHATE

SODIUM SILICATE

ANHYDROUS BISULPHITE SODA

**GENERAL CHEMICAL COMPANY**  
40 Rector Street, New York

BALTIMORE CHICAGO DENVER PHILADELPHIA PROVIDENCE  
BUFFALO CLEVELAND EASTON PITTSBURGH SAN FRANCISCO

## Chemicals

### ALCOHOL, DENAT. (Cont.)

50 gal. drum, extra	gal	.57%	.59%
Car lots,	gal	...	.55%
No. 5, Complete Denat. 188 Proof	gal	...	...
50 gal. bbls. incl.	gal	.63%	.65%
Car lots,	gal	...	.61%
50 gal. drums, extra	gal	.56%	.58%
Car lots,	gal	...	.54%
No. 6, Complete Denat. 188 Proof	gal	...	...
50 gal. bbls. incl.	gal	.62%	.64%
Car lots,	gal	...	.60%
50 gal. drums, extra	gal	.55%	.57%
Car lots,	gal	...	.53%
In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.			
Alco, U.S.P., 100 lb. cases	lb	.88	.96
Alpha-Naphthol crude	300 lb. bbls. lb	...	.88
Refined	lb	...	.80
Alpha-Naphthylamine, 350 lb. bbls. lb	lb	.85	.87
Ten lots, bbls. wks.	lb	...	.85
ALUM, Ammonia, lump 400 lb. bbls. wks. c/l	lb	3.15	3.75
Imp. 500 lb. cases	lb	1.00	1.00
Ground, 400 lb. bbls. wks. 100 lb.	lb	3.30	4.00
Powd. 380 lb. bbls. wks. 100 lb.	lb	3.45	4.25
Carbou, 500 lb. cas. wks. 100 lb.	lb	5.50	6.00
Petrol, lump 400 lb. bbls. wks. c/l	lb	3.30	3.75
c/l wks.	lb	...	3.10
Ground 400 lb. bbls. wks. 100 lb.	lb	3.25	3.75

### ALUMS, POTASH (Cont.)

Imp. 350 lb. cases	lb	100 lb	2.80	3.00
Powd. 380 lb. bbls. wks. 100 lb	lb	3.30	4.25	
Chrom, 500 lb. cas. wks. 100 lb	lb	5.50	6.00	
Soda grd. 400 lb. bbls. wks. 100 lb	lb	...	4.00	
Soda, c/l wks.	lb	100 lb	...	8.00
Thiuram, metal, c/l	lb	100 lb	27.00	28.00
Chloride, anhyd.	275 lb. drs.	lb	.20	.22
Crystals, 375 lb. bbls.	lb	...	.06%	
30% sol. 120 lb. drs.	lb	...	.04%	
Hydrate 96% light 90 lb. bbls. lb	lb	.17	.18	
Heavy, 62-64% 220 lb. bbls.	lb	.08	.08%	
400 lb. bbls. wks.	lb	...	.06%	
Stearate, 100 lb. bbls.	lb	...	.21%	
SULFATE, Iron-free bags c/l				
wks.	lb	100 lb	...	2.00
Bags, c/l wks.	lb	100 lb	...	2.15
Imported, spot	...	100 lb	...	2.00
Comm'l. 34% iron bags c/l	...	...	...	
wks.	lb	East 100 lb	...	1.40
Cont. agt. c/l wks. E. 100 lb	lb	1.25	1.40	
Bags, c/l wks. W. 100 lb	lb	...	1.40	
Bags, c/l wks. East. 100 lb	lb	...	1.55	
Bulk, c/l cont. wks. E. 100 lb	lb	...	1.50	
Amidol (see Diaminophenol)				
Amidoprine, Imp. 100 lb. bbls.	lb	4.75	4.85	
Domestic, 10 lb. boxes	lb	4.60	4.75	
Aminozobenzene, 110 lb. kgs.	lb	...	1.15	
Ammon. Sulf., bulk wks.	lb	100 lb	2.75	2.80
Double, bags, f.a.s. NY.	lb	100 lb	3.00	nom.
Single, bags, wks.	lb	100 lb	...	2.90
AMMONIA, anhyd. 100 lb. cyl.	lb	...	30	30
Water, 26° 800 lb. drs. wks.	lb	...	.06%	
Dr. c/l wks.	lb	...	.06%	
C.P., cyls.	lb	...	.14	
Imp. 800 lb. drs. incl. spot.	lb	...	.06%	
26° 100 lb. drs. c/l wks.	lb	0.75	.08%	
Cyls. c/l wks.	lb	0.75	.08%	
20° 800 lb. drs. c/l wks.	lb	...	.05%	
Cyls. c/l wks.	lb	0.65	.07%	
18° 800 lb. drs. c/l wks.	lb	...	.04%	
Cyls. c/l wks.	lb	0.55	.05%	

### AMMONIA (Cont.)

16° 800 lb. lbs. c/l wks.	lb	...	...	.04%
Cyls. c/l wks.	lb	...	...	.05%
Ammonium Acetate, 100 lb. kgs.	lb	...	...	.87
Benzonate, U.S.P. 1 lb. bot.	lb	...	.90	.95
Bifluoride, 200 lb. bbls.	lb	...	.22	.23
100 lb. kgs.	lb	...	.23	.24
Bromide, 50 lb. boxes	lb	...	.54	.55
Imported, 112 lb. boxes	lb	...	.50	.53
Carb. tech. 560 lb. cases	lb	...	...	.08%
Powd. tech. 385 lb. bbls.	lb	...	...	.09
USP, lump, 100 lb. kgs.	lb	...	.12%	.13%
Powd. 100 lb. kgs.	lb	...	.11%	.13
Chloride, Domestic				
White, 250 lb. bbls. c/l	lb	...	...	.07%
250 lb. bbls. lg/c/l wks.	lb	...	.07%	.08
Imp. wh. 250 lb. cases	lb	...	.05%	.06
Gray 250 lb. bbls. wks.	lb	...	.08	.08%
Bags, c/l wks.	lb	...	...	.07%
Imp. gray 250 lb. cases	lb	...	.06%	.07
Lump, 500 lb. cases	lb	...	.12	.13%
Ichthyolate, ac to brand.	lb	...	4.85	5.00
Ionone, U.S.P. 25 lb. jars	lb	...	...	.52
Lactate, 500 lb. bbls.	lb	...	.15	.16
Nitrate, tech. crys. 225 lb. bbls.	lb	...	...	...
Refined Crystals. bbls.	lb	...	.21	.23
CP gran. 100 lb. kgs.	lb	...	.35	.37
Oxalate, pure, 100 lb. kgs.	lb	...	.40	.43
Persulfate, 112 lb. cases	lb	...	.35	.40
Phosphate, dibasic 200 lb. bbls.	lb	...	...	3*
Tech. powd. 325 lb. bbls.	lb	...	...	.19
Phosphate, mono. 325 lb. bbls.	lb	...	...	.12%
Salicylate, USP 100 lb. kgs.	lb	...	.75	.80
Sulfate, bulk, c/l wks.	lb	100 lb	2.75	2.80
200 lb. single bags, c/l wks.	lb	...	2.90	3.07%
200 lb. double bags, f.a.s. 100 lb.	lb	...	...	.60
Sulfocyanide, tech. 100 lb. kgs.	lb	...	.50	.60
CP. 25 lb. jars	lb	...	.60	.70
Amyl Acetate, tech. 50 gal. drs. gal.	lb	...	3.25	3.50
Refined, 50 gal. drums	gal	...	3.90	4.20
Alcohol, see Fuel oil				

## GRASSELLI GRADE

*A Standard Held High for 85 Years*

### SNOW CAP BRAND Zinc Oxide

This low lead content pigment (5 per cent) is noted for the excellence of the results it gives.

### GRASSELLI WHITE Lithopone

Brilliant white; highly resistant to exposure; neutral; opaque.

### TOMAHAWK BRAND Zinc Oxide

This 35 per cent leaded brand is uniformly consistent, permitting positive formulae standardization.

## THE GRASSELLI CHEMICAL CO.

Established 1839 - - Cleveland, Ohio

New York Office and Export Office:  
347 Madison Ave., Cor. 45th St., New York City

### Branches

Albany Birmingham Boston Chicago Cincinnati Detroit Milwaukee  
New Haven New Orleans Paterson Philadelphia St. Louis St. Paul





## ETHYLENE DICHLORIDE

Non-Corrosive Chlorinated Solvent

*An ideal solvent for*

**FATS, OILS, WAXES, GUMS,  
RESINS AND ESTERS**

*Applicable in*

**Commercial Extractions, Degreasing,  
Varnishes, Pharmaceuticals, Rubber**

**A PURE CHEMICAL COMPOUND**

Will not Corrode Metal

Diminishes Fire Hazard

Is Stable to Alkali, Acid or Chemical Reagents

### CARBIDE AND CARBON CHEMICALS CORPORATION

CARBIDE AND CARBON BUILDING, 30 EAST FORTY-SECOND STREET, NEW YORK  
Telephone Vanderbilt 8700



**COLUMBIA BRAND**

*Columbia Chemical Division,  
Pittsburg Plate Glass Co., Barberton, Ohio*

**Caustic Soda**

All Tests

**Soda Ash**

Dense-Light  
Granular if Desired

*Sole Selling Agents*

**The Isaac Winkler & Bro. Co.**

50 BROAD STREET  
NEW YORK

FIRST NAT'L BANK BLDG.  
CINCINNATI

**CHEMICAL  
SEABOARD  
COMPANY**

**Methanol**  
(Wood Alcohol)

**Acetic Acid**  
(All Grades)

**Acetate of Lime**

**Seaboard Chemical Co.**

**90 WEST STREET  
NEW YORK**

*Tel. Rector 4090—4091 Cables Seaboard, N. Y.*

## Chemicals

ANILINE OIL, 900 lb drs.....	16	: .17	BAARIUM BINOXIDE, see Barium dioxide
Aniline Salt, 200 lb bbls.....	.20	: .22	Carbonate, precip., 800 lb bbls.
Anatto, fine .....	.23	: .30	wks ..... ton 65.00 : 70.00
Anthracene, 30-85%, 600 lb cans			Precip., 200 lb bgs., wks..... ton 64.00 : 66.00
whs ..... lb	.80	: .85	Imports, bbls., wks..... ton 54.00
Anthraquinone, subl. 125 lb bbls.....	1.00	: 1.15	Chloride, 800 lb bbls., wks..... ton 70.00 : 72.50
Antimony metal, slabs ton lots, 100 lb	.15%	: .17%	200 lb bgs., wks..... ton 70.00 : 72.50
Needle Powd., 100 lb cans..... lb	.11%	: .12%	Imports, bbls., spot..... ton 64.00 : 65.00
ANTIMONY CHLORIDE, anhyd 1000 lb			Dioxide, 85% 690 lb drs..... lb
grs..... lb			.17 : .18
50 lb crocks..... lb	.45	: .48	Import, 86-88% 400 lb drs..... lb
Sol'n, 120 lb carbys 33%..... lb			.15
Oxide, 500 lb bbls..... lb	.14%	: .16	Hydrate, 500 lb bbls..... lb
Salt, dom. 500 lb bbls..... lb			.05
Imp., NY ..... lb			Iodide, 5 lb box..... lb
Sulfur, golden 500 lb bbls..... lb			.15
33 lb kegs ..... lb	.48	: .50	Nitrate, 700 lb cans..... lb
Crimson, 500 lb bbls..... lb	.45	: .48	Import cans..... lb
336 lb kegs ..... lb	.48	: .50	Sulfocyanide 400 lb bbls..... lb
Red, 500 lb bbls..... lb			.07% : .08
336 lb kegs ..... lb			Import ..... lb
Tartarate, 500 lb bbls..... lb			.35
Antipyrine, U.S.P., 100 lb cans..... lb	1.90	: 2.00	Barwood, chips ..... lb
Apomorphine Hydrochloride, 1/2 oz. vial. oz			.04% : .05
Aspiril, dentif. 600 lb bbls..... lb	.18	: .14	Baryton, floated 350 lb bbls wks ton 28.00 : 26.00
Triple, 600 lb bbls..... lb	.18	: .17	Imported ..... ton 28.00 : 33.00
Cone, 600 lb bbls..... lb	.18	: .20	Bay Rum, Porto Rico, genuine
Arecoline Hydrobromide, 1 oz. vial. oz	6.25	: 7.82	Medicated salicy. acid or tartar emetic
Argyrol, red powd., 350 lb bbls..... lb	.06	: .07	45 gal. bbls..... gal
Arsenic, metal, 220 lb kegs..... lb			.90 : 1.00
Red, 224 lb kegs cases..... lb	.15	: .15%	Medicated quinine sulf. 45 gal.
White, 220 lb cases to 550 lb			bbls..... gal
bbls., NY ..... lb	.06%	: .06%	Domestic synthetic, 50 gal.
Asbestine, c/l ..... ton 16.00 : 18.00			bbls..... gal
ke/l ..... ton 20.00 : 22.00			.80 : .90
Aspirin, see Acid acetyl salicylic			St. Thomas
Atropine, Alk. U.S.P., 1 oz. vial. oz	5.00	: 5.57	Medicated salicy. acid or tartar
Sulfate, 5 oz. cans ..... oz			emetic, 50 gal. bbls..... gal
Single ounce ..... oz			.05 : 1.05
			Sensaldehyde, tech. 945 lb drs.
			wks ..... lb
			.70 : .75
			U.S.P. 40 lb chys..... lb
			1.40 : 1.50
			FFC, 40 lb chys..... lb
			1.50 : 1.65
			SENZENE, 90% 8000 gal. tanks
			wks ..... gal
			.33
			110 gal. drs., wks..... gal
			.33
			Pure Tanks, wks..... gal
			.25
			110 gal. drs., wks..... gal
			.30
			Benzidine Base, dry 350 lb bbls, lb
			.78 : .80
			Benzidine Sulfate, parts 350 lb
			bbls..... lb
			.70 : .72
			Benzol, see Benzene
			Benzonaphthol, 5 lb boxes..... lb
			3.50 : 3.60
			Benzoyl Chloride, 500 lb drs..... lb
			... : 1.00
			Benzyl Acetate, 100 lb chys..... lb
			1.55 : 1.75
			Alcohol, 5 lb bot..... lb
			1.45 : 1.55
			Benzate, 5 lb bot..... lb
			1.60 : 1.75
			Medicinal FFC ..... lb
			1.75 : 2.00
			Chloride, 95% tech. 225 lb drs, lb
			... : 25
			100 lb chys..... lb
			.25 : .30
			Redistill, 160 lb chys..... lb
			.40 : .45
			Formate, 1 lb bot..... lb
			3.25 : 3.50
			Berberine Hydrochloride, 1 lb bot..... lb
			... : 22.50
			Sulfate, acic or meut 1 lb bot, lb
			... : 22.00
			BETA-NAPHTHOL, 350 lb bbls, wks, lb
			.24 : .25
			Carbols, wks ..... lb
			... : .23
			Sublimed ..... lb
			.55 : .60
			Beta-Naphthylamine, tech. 200 lb
			bbls..... lb
			.65 : .67
			Sublimed, 200 lb bbls..... lb
			... : 1.35
			Bichloride Mercury, see Mercury Bichloride
			BISMUTH metal, 150 lb cases, lb
			... : 1.35
			Second Hand ..... lb
			... : 1.35
			Ammon. Citrate, U.S.P. 5 lb bxs, lb
			... : 5.15
			Betamphtholite, 5 lb bxs, lb
			... : 2.65
			Citrate, U.S.P. 5 lb bxs, lb
			... : 2.35
			Nitrate, 25 lb jars ..... lb
			... : 1.50
			Oxychloride, 25 lb bxs, lb
			... : 2.88
			Phenoisulfonate, 5 lb cans, lb
			... : 2.50
			Salicylate, 25 lb bxs, lb
			... : 1.55
			Subcarbonate, U.S.P. 25 lb bxs, lb
			... : 2.65
			X-Ray diag. 1 lb bot, lb
			... : 3.00
			Subgallate, U.S.P. 25 lb bxs, lb
			... : 2.10
			Subiodide, 5 lb lot ..... lb
			... : 4.00
			Subnitrate, U.S.P. 25 lb jars, lb
			... : 2.15
			Second Hand ..... lb
			... : 2.15
			Cones, 1 lb bot ..... lb
			... : 3.15
			Subsulphate, U.S.P. 175 bbls, lb
			... : 2.40

# Quinine

and its  
salts

Samples and Prices  
sent on request

The New York  
Quinine &  
Chemical  
Works, Inc.

152-154  
William Street  
New York  
St. Louis Depot:  
18 South Broadway

There can be  
no higher de-  
gree of purity  
than that which  
is presented to  
you under the  
label of

NYQ

PRICES CURRENT SECTION

# HF & G

## Tartaric Acid Cream Tartar

The HARSHAW, FULLER  
& GOODWIN CO.  
Hanna Building, Cleveland

New York  
Philadelphia  
Chicago

Cincinnati  
St. Louis  
Los Angeles

## Chemicals

<b>BISMUTH (Continued)</b>	
Tannate, 1 lb bot. ....	lb ... : 2.05
above, on basis 25 lb lots.	
Smaller lots at an advance.	
Mines Fine, dry 400 lb bbls. wks. ton	75.00 : 88.00
Imported, bbls. ....	ton 70.00 : 73.00
Paste, 650 lb bbls. ....	ton 50.00 : 55.00
<b>BLEACHING POWDER, 700 lb drs.</b>	
e/l wks. ....	100 lb ... : 2.00
Drums, e/l ex-warehouse. ....	100 lb ... : 2.00
Contract, e/l wks. ....	100 lb ... : 2.15
Drums, e/l wks. ....	100 lb ... : 2.18
Imported, spot. ....	100 lb ... : 2.40
Blood, dried, f.o.b. N.Y. ....	unit 3.50 : 3.60
Chicago. ....	unit 3.60 : 3.75
Blue Gintment, see Mercury	
Man, see Mercury	
Blue Vitriol, see Copper Sulfate	
Bone, 3 & 50 gr. steam. Cugs. ....	unit 23.00 : 23.00
Raw, N.Y. ....	ton ... : 34.00
Bone Ash, 100 lb kegs. ....	lb ... : .07
Black, 200 lb bbls. ....	lb ... : .08
Braz, USP, crys. 400 lb bbls. ....	lb .05% : .061%
Powdered, USP, 300 lb bbls. ....	lb .05% : .051%
Kegs, USP, 100-150 lb. ....	lb .05% : .06
Bordeaux Mixture, 16% pd. bbls. ....	lb .11% : .18
Paste, bbls. ....	lb .08 : .10
Borax, 1 lb bot. ....	lb ... : 2.50
British Gum, 140 lb bags. c/l. 100 lb	... : 5.02
Bags, e/l. ....	100 lb ... : 5.12
Bromide, see potash, bromide, etc.	
Bromine, bot. in 50 lb. c. wks. ....	lb ... : .47
Bromotetraene, 500 lb drums. ....	lb ... : .42
Bromofrom, USP 5 lb bot 50 lb c. ....	lb ... : 1.65
Bromine, Sulfate, 100 c. ....	lb ... : .25
Butter of Antimony, see Antimony Chloride	
Butyl Acetate, 100 gal. drums. gal	2.35 : 2.40
<b>CADMIUM, metal 100 lb bxs. ....</b>	<b>lb .95 : 1.00</b>
Bromide, 50 lb cases jars. ....	lb ... : 1.20
Iodide, 10 lb bot. ....	lb ... : 4.45
Sulfide, c. ....	lb 1.50 : 1.60
<b>CAFFEINE ALK, USP 5 lb cans. ....</b>	
Second Hands. ....	lb 3.60 : 3.80
Hydrochloride, 1 lb bot. ....	lb 8.05 : 6.55
Sulfate, 1 lb bot. ....	lb 5.40 : 5.90
Citrate, 25 lb cans. ....	lb 2.90 : 3.10
Hydrobromide, 1 lb bot. ....	lb 4.65 : 4.90
<b>CALCIUM, Acetate, 150 lb bags, e/l</b>	
100 lb. ....	... : 3.00
Arsenate, 100 lb bbls. e/l wks. ....	lb .08 : .09
Bromide, 100 lb c. ....	lb ... : .60
Carbide, 220 lb dr. e/l wks. ....	lb ... : .041%
Carbonate, tech. 100 lb bags	
e/l. ....	100 lb ... : 1.10
USP, precip. 175 lb bbls. ....	lb ... : .04
Chloride, solid, 500 lb drs. e/l	
f.o.b. wks. ....	ton ... : 21.00
Imp. shipment. ....	ton ... : 18.50
Flake, 375 lb drs. e/l drs. f.o.b.	
wks. ....	ton ... : 27.00
Anhyd., 350 lb drs. f.o.b. N.Y. ....	lb .13 : .20
Glycophosphate, 250 lb bbls. ....	lb ... : 1.40
Hydrate, see Lime	
Hypophosphate, USP, 25 lb cans. ....	lb .60 : .65
Iodide, 5 lb bot. ....	lb ... : 4.40
Lactate, tech. 500 lb bbls. ....	lb ... : .121%
U.S.P. ....	lb .50 : .60
Nitrate, 220 lb bbls. e/l N.Y. ....	ton ... : 40.00
Phosphate, tech. 450 lb bbls. ....	lb .09 : .10
Phosphate, precip. tribasic 200 lb	
bbls. wks. ....	lb .11 : .14
Phosphate, mono, 325 lb bbls. ....	lb .07 : .08
Sulfocarbonate, 100 lb kegs. ....	lb .55 : .57
Calomel, see Mercury	
<b>CAMPHOR, Amer. ref. 250 lb</b>	
bbls. ....	lb ... : .80
25 lb slabs, 100 lb c. ....	lb ... : .811%
1 lb cans, 100 lb c. ....	lb ... : .811%
1 oz. tabs, 1 lb cans. ....	lb ... : .851%
100 lb c. ....	... : .851%
<b>CAMPOMOR (Cont.)</b>	
1/2 oz. tabs, 1 lb cans.	
100 lb c. ....	... : .86
Jap. ref. 25 lb slabs, 100 lb	
c. ....	... : .66 : .67
1 oz. tabs, 100 lb c. 1 lb	
tabs. ....	... : .80
1/2 oz. tabs, 100 lb c. 1 lb	
tabs. ....	... : .81
Chinese ref. 25 lb slabs, 100 lb	
c. ....	... : .60
Crude, 100 lb c. ....	lb .58 : .60
Camphor, Monobrom, 100 lb c. ....	lb 1.85 : 1.90
Camwood, chips. ....	lb .09 : .1
Caramel, 50 gal. bbls. ....	gal .75 : .80
Carbolic, 250 lb bbls. ....	lb ... : .50
Carbox. Bisulfide, 500 lb drs. f.o.b. N.Y. ....	lb ... : .06%
e/l drums. N.Y. ....	lb ... : .06
Carbon Black, 12 1/2 lb bags. ....	lb .09 : .10
Carbon Dioxide, Liquid, 20-35 gal. bbls. ....	lb ... : .06
Carbon Tetrachloride, 1400 lb drs.	
NY. ....	lb .07 : .07%
Drums, e/l N.Y. ....	lb ... : .08%
700 lb drs. single N.Y. ....	lb .073 : .08
Carmine, No. 40, 5 lb boxes. ....	lb 4.75 : 4.85
Cassia, edit., 100 lb kegs. ....	lb ... : .45
Technical, 200 lb bbls. ....	lb .10 : .10%
Castoreum, 1 lb boxes. ....	lb 4.00 : 4.50
Castor Oil, USP, 50 gal. bbls. ....	lb ... : .17%
Cass, 80 lb. 2 tins. ....	lb ... : .18%
Tech. see Fixed Oils	
Cutch, Rangoon, 100 lb bales. ....	lb .14 : .16
Borneo, solid, 100 lb bales. ....	lb .044 : .051%
Liquid, 450 lb bbls. ....	lb ... : .09
Tablets, 120 lb boxes. ....	lb .13 : .14
Caustic Potash, see potash, caustic	
Soda, see soda, caustic	
Cellulose Acetate, 100 lb cans. ....	lb 1.75 : 2.00
Cerium Oxalate USP 100 lb kegs. ....	lb .35 : .38
Chalk, drop 175 lb bbls. ....	lb ... : .03%
Prep. light 250 lb cans. ....	lb .044 : .04%

The  
Norvell Chemical  
Corporation

Acid Benzoic  
Sodium Benzoate  
Benzyl Chloride  
Mercurials  
Formaldehyde  
Silver Salts  
Creosote  
Creosote Carbonate  
Glycerophosphates  
Hexamethylenamine  
Benzaldehyde

New York Office 99 John Street  
Chicago Office, 180 No. Market Street



Aero  
Brand

Yellow Prussiate of Soda  
Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

AMERICAN CYANAMID CO.  
511 Fifth Avenue  
New York

EXCLUSIVE SALES AGENTS:

For consumption in United States:  
Victor Blaeden & Co., Ltd.,  
London  
Henry W. Peabody & Co.,  
17 State St., New York

For shipment to other countries:  
Victor Blaeden & Co., Ltd.,  
Coronation House, 4  
Lloyd's Ave., London,  
Cable Address:  
Blaedenite, London

## Chemicals

<b>CHALK</b> (Cont.)						
Precip. heavy 500 lb cans...lb	.03%	.04				
Bulk .....ton	5.00	4.00				
Precip. English, 7 lb bags...lb	...	.07%				
Choral, Bone, see bone black						
Wood, powd. 100 lb bbls...lb	.04	.05				
Willow, powd. 100 lb bbls...lb	.06	.07				
Chestnut, clarified, 25% tns. wts. lb	.01%	.02				
Bois, wts. ....lb	.02%	.02%				
Powd. 50% 100 lb bags, wts. lb	.05%	.05%				
Decolorized, bags, wts. ....lb	.06%	.07				
China Clay, Dens. ....ton	6.00	9.00				
Washed & Ground, wts. ....ton	11.00	15.00				
Imp. Filler Clay ....ton	16.00	23.00				
Coating ....ton	20.00	25.00				
Chloride Hydrate, USP 100 lb drs...lb	.60	.65				
25 lb jars .....lb	.65	.70				
Chinadina, 140 lb drs...lb	...	.40				
Chloramine-T, 5 lb bot....lb	1.25	2.50				
Chloroform, 5 lb bot....lb	.55	.75				
Chlorhydrin, Ethylene anhyd. 500 lb dm. ....lb	.75	.85				
40% soln. 100 lb cans...lb	.35	.38				
<b>CHLORINE</b> , Liquid 3000 lb c/l wts. ....lb	...	.04%				
Tank car lots, wts. Contract...lb	...	.04				
100 lb cyl. c/l .....lb	.05%	.05%				
100 lb cyl. c/l wts. ....lb	.07	.08				
100 lb cyl. c/l ex-warehouse...lb	.08	.09				
Chloroform, mono. 100 lb drs. wts. ....lb	.10	.11				
Dr. c/l wts. ....lb	.08	.08%				
Tank car lots wts. ....lb	...	.08				
<b>CHLOROFORM</b> , USP 50 lb drs...lb	...	.35				
Second Hands, 650 lb drs...lb	.32	.33				
Technical, 650 lb drums...lb	.31	.32				
Chlorophyll, Oil Sol. ....lb	2.50	2.75				
Water Sol. ....lb	3.75	4.00				
Chromium Acetate, 20% soln. 400 lb bbls. ....lb	...	.08				
Fluorite, Powd. 400 lb bbls...lb	.07	.08				
	...	.08				
<b>Chyphopholin</b> , USP, 5 lb cans...lb	5.35	5.35				
Chloromidin alk., pwd. 100 oz. tins...oz	...	.60				
Crystal .....oz	...	.65				
Sulfate, 100oz. tins.....oz	...	.40				
Resale, 1,000 oz. lots.....oz	...	.35				
<b>Chloromine</b> alk., pwd. 100oz. tins...oz	...	.38				
Crystal .....oz	...	.43				
Sulfate, 100 oz. tins.....oz	...	.25				
<b>Citric Acid</b> , see Acid Citric						
<b>Clirine Ointment</b> , see Mercury						
<b>Coal Tar, See Tar</b>						
<b>Cobalt metal</b> , 100 lb kgs.....lb	2.50	3.00				
<b>Cobalt Oxide</b> , 500 lb bbls....lb	...	2.10				
10 lb tins, 200 lb cans....lb	...	2.45				
<b>COCAINE</b> alk., USP, 1 oz. vial.oz	...	10.00				
Hydrochloride, USP—1 oz. vials, 25 oz. ....oz	...	7.07				
In 1/2 oz. vials.....oz	...	7.50				
In crystals, granular, powder, or faky crystals as desired						
Cocaine Butter, bulk, 200 lb bales...lb	.29	.30				
Fingers, cakes, etc. 12 lb bxs...lb	.35	.37				
<b>CODEINE</b> , alk., 1 oz. vial. 10 oz. lots .....lb	...	9.87				
Hydrobromide, 1 oz. vial. 10 oz. lots .....oz	...	7.92				
Hydrochloride, 1 oz. vial. 10 oz. lots .....oz	...	8.77				
Nitrate, 1 oz. vial. 10 oz. lots...oz	...	8.77				
Phosphate, 1 oz. vial. 10 oz. lots .....oz	...	7.43				
Salicylate, 1 oz. vial. 10 oz. lots .....oz	...	7.42				
Sulfate, 1 oz. vial. 10 oz. lots...oz	...	7.92				
Small Sizes, 1/2 oz. vials, 50¢ extra, 1/4 oz. 80¢ extra, single 7¢ extra per oz.—25 oz. lots, 10 oz. or cheaper than above. Less than 10 oz. 15¢ oz. higher than above.						
<b>CODLIVER OIL</b> , Norwegian, 30 gal. bbls. ....bbl	30.00	32.00				
Colchicine alk USP 1 oz. vial.oz	...	15.07				
Salicylate, 1 oz. vial.oz	...	15.07				
Collodion, USP, 30 lb drums....lb	...	.24				
<b>COPPER</b> metal electrolytic e/l NY .....lb	15.00	15.12½				
Lake c/l NY .....lb	15.12½	15.25				
Castng, c/l NY .....lb	...	14.50				
Carbonate, 400 lb bbls. ....lb	...	.16%				
Chloride, 250 lb bbls. ....lb	...	.28				
Cyanide, 100 lb drs. ....lb	...	.50				
Iodide, 5 lb bot....lb	...	.65				
Oxide, red 1000 lb bbls. ton lots lb	...	.16½				
Sub-Acetate, verd. 440 lb bbls. lb	...	.27				
<b>SULFATE</b> , crys. 450 lb bbls. le/l spot .....lb	4.90	5.00				
Carton, bbls. f.o.b. NY 100 lb	4.85	4.85				
Carton, bbls. delivered 100 lb	4.90	5.00				
Imp. 550 lb cans spot....lb	...	...				
Powdered, 250 lb 5 bbls. ....lb	...	...				
Coppers, bulk, c/l wts. ....ton	13.00	16.00				
200 lb bgs, c/l wts. ....ton	16.00	19.00				
400 lb bbls. c/l wts. ....ton	17.00	20.00				
Powdered, bbls. ....lb	1.90	2.00				
Sugar, 400 lb bbls. ....lb	1.25	1.35				
Corn Syrup, 42 deg 50 gal. bbls. ....lb	...	4.38				
43 deg. 50 gal. bbls. ....lb	...	4.31				
44 deg. 50 gal. bbls. ....lb	...	4.33				
45 deg. 50 gal. bbls. ....lb	...	4.45				
Corn Sugar, see Glucose						
Cotton Solubile, 100 lb bbls. wet. lb	.40	.43				
Commarin, 25 lb tins .....lb	2.25	2.45				
Seconds Hands .....lb	2.25	2.30				
<b>CREAM TARTAR</b> , USP, 300 lb bbls. ....lb	.21½	.21%				
Imp. powd. USP, 224 bbls....lb	.20%	.21				
Creosote, USP, 42 lb cans....lb	...	.45				
Carbonate, 1 lb bot. 25 lb cans....lb	1.70	1.80				

## BEECHWOOD CREOSOTE

Creosote U. S. P.

Creosote Carbonate U. S. P.

Guaiacol Liquid U. S. P.

Guaiacol Carbonate U. S. P.

HIGHEST MEDICINAL PURITY

Are Now Seasonable

Orders and inquiries solicited

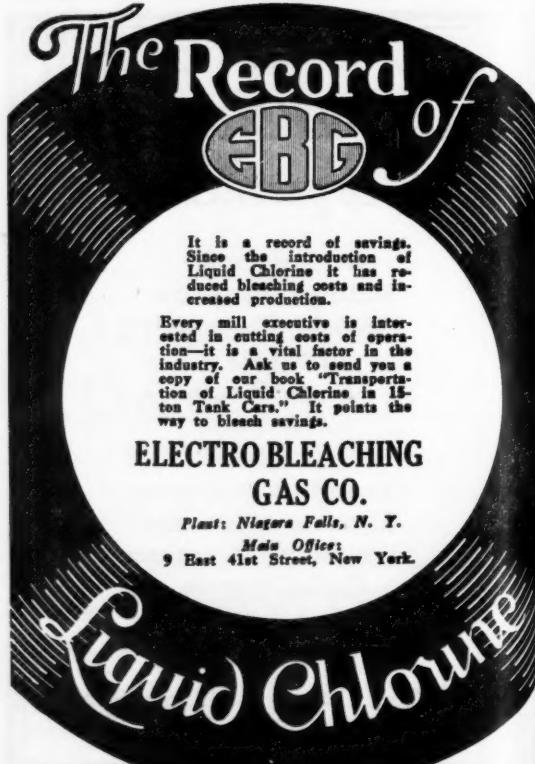
by

MALLINCKRODT CHEMICAL WORKS

ST. LOUIS  
MONTREAL

NEW YORK  
PHILADELPHIA

PRICES CURRENT SECTION



## Chemicals

Cresote oil, 50 gal. drs.....	.26	.30	Egg Yolk, Spray, 150 lb. ca. ....	.45	.65	FERRIC CHLORIDE, tech. crys.		
Cresol, USP, 400 lb. drums.....	.33	.33	EPSOM SALT, tech. 300 lb. bbls. ....	.45	.65	475 lb. bbls. ....	.10	.10%
Cudbear, English	.18	.20	NY ..... 100 lb. ....	...	2.18	Imported .....	.....	.07%
Cyanamide, bulk c/l wks. Amm. unit	1.90	2.00	Bbls. c/l NY. .... 100 lb. ....	...	2.00	USP. crys. 100 lb. kegs. ....	.....	.10
March & April, deliv. ....	.....	.....	100 lb. bgs. .... c/l NY. .... 100 lb. ....	1.70	1.75	Imported .....	.....	.07%
Cyanamides, NY, bags.....	1.65	1.75	Imp. .... 220 lb. bags. c/l NY. ....	...	1.35	Neut. Sol'n 42° 140 lb. chys. ....	1.08	.07
Cymene. See Para-Cymene			NY ..... 100 lb. ....	...	1.35	46°, 140 chys. ....	.08	.08%
Dextrin, corn 140 lb bags c/l 100 lb. ....	4.72		USP, 300 lb bbls. 10 bbls. 100 lb. ....	...	2.50	USP Sol'n 125 lb. chys. ....	0.63	.07
Bags, 1c/l ..... 100 lb. ....	4.82		Carrots, bbls. .... 100 lb. ....	2.10	2.15			
Yellow, bags c/l ..... 100 lb. ....	4.77		Imported, 400 lb. bbls. .... 100 lb. ....	1.75	2.06	Ferrous Chloride, crys. tech.		
bags, 1c/l ..... 100 lb. ....	4.87		100 lb. kegs. .... 100 lb. ....	2.00	2.28	475 lb. bbls. ....	.06	.06%
Potato, 220 lb bags, c/l. ....	.....	0.08%	Ergotin, Bonjean, 1 lb. jars. ....	8.00	6.35	Ferrous Sulfide, 1000 lb. bbls. 100 lb. ....	2.50	.00
Bags, 1c/l. ....	.....	0.08%	Eserine alk. 1 oz. vial. ....	.....	24.07	Fish Scrap, dried wks. ....	4.50	& 10
Yellow, 220 lb bags. ....	.....	0.08	Salicylate, USP 1 oz. vial. ....	.....	16.07	Acid, Bulk. 7 & 3 1/2, Delhi		
Tapoca, 200 lb bags, 1c/l. ....	.....	0.08	Sulfate, USP VIII, 1 oz. vial. ....	.....	11.07	Norfolk & Balt. Bals. units	4.50	& 50
DIAMINOPHENOL, 100 lb. kegs. ....	5.80					Flake White, see lead, white		
Dianisidine, 100 lb. kegs. ....	3.50	3.75	ETHER, USP, 55 lb. drums. ....	.....	.16	Flavine .....	.....	.95 : 1.00
Dichlorobenzene, 1000 lb. drs. ....	.06	.08	Anaesthetics, 55 lb. drums. ....	.....	.19	Fluxepar, 95% 220 lb. bgs. ex. ....		
Diethylamine, 400 lb. drs. ....	.....	2.50	USP, 1880 55 lb. drums. ....	.....	.43	deck ..... ton	.....	: 35.00
Diethylamine, 850 lb. drs. ....	.58	.61	Washed, 55 lb. drums. ....	.....	.33	96% bgs. ....	ton	: 33.50
Diethyl Phthalate, 25 lb. cans. ....	.40	.45	Motor, 1 lb. cans. ....	25	.31	93% bgs. ....	ton	: 35.00
1000 drs. ....	.35	.40	Ether, Nitrous, 1 lb. bet. ....	.92	.95	FORMALDEHYDE, USP 400 lb. bbls. ....		
Diethyl Sulfate tech 50 gal. drs. ....	.20	.25	Ethy: acetate, 99% 50 gal. drs. gal. ....	1.15	1.18	c/l wks. ....	.....	.09 : .09%
CP drms. ....	.40	.50	85% Ester, 100 gal. drs. gal. ....	.....	.95	Carboys, 100 lb. 1c/l. wks. ....	.....	: 10%
Digitalin, Pure, 1 oz. vial. ....	9.75	10.25	Carlos, drums. ....	.....	.92	Bbls., 400 lb. 1c/l. wks. ....	10	: 10%
Dimethylamine, 840 lb. drs. wks. ....	.33	.35	Tanks Cars. ....	.....	.90	Second Hands .....	.....	: 10
Dimethylamine, 400 lb. drs. ....	.....	2.80	Refined, drums. ....	1.77	1.90	Fossil Flour .....	.....	.04
Dimethylsulfide, 100 lb. drs. ....	.....	.50	Bromide, 115 lb. drs. ....	.....	.40	Formanilide .....	.....	.50
Dimetrobene, 400 lb. bbls. ....	.15	.16	Chloride, 200 lb. drs. 15 lb. cyl. b. ....	.26	.35	Fuller's Earth, 200 lb. bgs. e/l. ....		
Dimetrochlorobenzene, 400 lb. bbls. ....	.15	.16	Methyl Ketone, 50 gal. drs. ....	.25	25%	mines ..... ton	15.00	: 17.00
Dimetrophthalimide, 350 lb. bbls. ....	.33	.34	Morphine, see Morphine, Ethyl			Imported, 230 lb. bags, NY. ....	ton	35.00 : 40.00
Dimetrophenol, 350 lb. bbls. ....	.32	.35	Ethyl Benzyl Aniline, 300 lb. drs. ....	1.10	1.15	Furfural, 300 lb. bbls. ....	.....	.22 : .25
Dimethylchlorine, 300 lb. bbls. ....	.18	.19	Ethylene Bromide, 600 lb. drs. ....	.....	.70	Fuel Oil, 10% Impurities. drs. gal. ....	2.80	: 3.00
Diosin, see Morphine, Ethyl			Glycol .....	.65	1.00	Fusic, solid 50 lb. boxes. ....	.....	.19 : .20
Diphenylamine, 250 lb. bbls. ....	.48	.50	Chlorhydrin, anhyd. 50 gal. drs. ....	.75	.85	Crystals, 100 lb. boxes. ....	.....	.20 : .22
Diphenylguanidine, 170 lb. bbls. ....	1.10	1.15	40% Solution, 50 gal. bbls. ....	.25	.30	Liquid, 51°, 600 lb. bbls. ....	10	: .14
Dirt. Difl. pods, bags. ....	43.00	44.00	Dichloride, 50 gal. drms. ....	.20	.25	Fusic, sticks. ....	ton	30.00 : 32.00
Dover's Powder, USP 5 lb. tins. ....	2.20	2.30	Ethyldeneaniline .....	.....	.70	Chips .....	.....	.04 : .05
Duboisine Sulfate, 1 oz. vial. ....	.....	36.07	Eucalyptol, 25 lb. cans. ....	.....	.90	G. SALT, paste 350 lb. bbls. basis. ....	.....	: .50
EARTH, Diatomaceous, see Kieselguhr			Feidspur, bulk ..... ton	20.00	25.00	100% .....	.....	
Ketmine alk., 15 gr. vials. ....	.....	1.30	Gall extract .....	.....		Gall .....	16	: .18
Hydrochloride, USP 1 oz. vial. ....	17.00	17.50						
15 gr. vials. ....	.....	.75						

# THE CLEVELAND-CLIFFS IRON COMPANY

## CLEVELAND, OHIO

# PURE ACETONE U. S. P.

## DISTRIBUTING WAREHOUSES

**NEW YORK  
BOSTON  
BALTIMORE  
PHILADELPHIA  
PITTSBURGH**

CLEVELAND  
DETROIT  
CINCINNATI  
LOUISVILLE  
MINNEAPOLIS

**BURLINGTON  
CHICAGO  
ST. LOUIS  
KANSAS CITY  
LOS ANGELES**

## PLANTS Marquette and Antrim, Mich.

## Chemicals

Gambier, 25% liq. 450 lb bbls. lb	.14	.15	HEMATINE, Paste, 500 lb bbls. lb	.09%	.13	IODINE, crude, 200 lb kgs. ....	...	4.19
Common, 200 lb cases	.19%	.20	Crystals, 400 lb bbls. ....	.14	.20	Resublimed, 10 lb jars. ....	4.65	4.70
Singapore cubes, 150 lb bags. lb	...	.22	Hemlock, 25% 600 lb bbls. wks. lb	.03%	.03%	Tincture, USP, 50 gal. bbls. gal	4.50	4.55
Gelatin, USP silver bbl. 100 lb cs. lb	.60	.65	Hemlock, bark .....ton	...	20.00	Carboys .....gal	4.55	4.60
Gold Label, 100 lb cases. ....	...	...	Hexamethylene-tetramine, USP	...	...	Second Hands .....gal	4.55	4.40
Technical, 100 lb cs. ....	...	...	100 lb drums. ....	.75	.77%	Iodoform, powd. 10 lb bot. ....	...	5.50
GLAUBER'S SALT, tech. 200 lb bags,	...	...	Imported .....	.64	.66	Crystals, 10 lb bot. ....	...	6.50
le/1 wks. ....	1.15	1.25	Rubber Makers, Impala Pd.	...	...	Iridium, metal 10 oz. lots. ....	...	350.00
350 lb bbls. c/l wks. ....	1.00	1.25	Homatropine Hydrobrom. USP 1 oz.	...	...	Iron, metal by hydrogen 1 lb bot. lb	.80	1.00
bbls. le/1 wks. ....	1.00	1.25	vial. ....	...	...	IRON & AMM. CITRATE, USP 50 lb	...	...
Imported, bbls. spot	.80	.85	Five oz. 1 oz. vials. ....	...	16.87	case. ....	...	.69
USP, 300 lb bbls. Imp. sp. 100 lb	...	1.25	Hydrocaine Alk., USP, 1 oz. vials. ....	16.00	14.87	Green scales, 50 lbs. ....	...	.69
USP, 300 lb bbls. dom. sp. 100 lb	...	1.75	Hydralide, USP, 1 oz. vials. ....	...	14.87	Cocodylate, 10 lb bot. ....	6.50	6.75
USP, 200 lb bbls. c/l wks. 100 lb	...	1.40	Sulfate, 1 oz. vials. ....	...	16.87	Citrate, USP VIII 25 lb cans. lb	.99	1.01
Calcined, see Sodium Sulfate	...	...	Hydroquinone Hydrochloride, USP 10 gr.	...	...	Chloride, see ferric or ferrous	...	...
Glucose, (Grape Sugar) dry, 100	...	...	vials. ....	...	1.00	Molybdate, 5 lb cans. ....	1.50	1.60
70° bags, c/l NY....100 lb	4.29	4.54	Hydrogen Peroxide, 25vol. 400 lb	...	...	Syrup, USP VIII. ....	...	.30
Syrup, Dr. & bals. c/l 100 lb	4.26	4.45	bbls. ....	...	...	Iodide, 1 lb bot. ....	...	4.22
le/1 NY....100 lb	4.38	4.55	100 vol. 140 lb drgs. ....	.35	.37	Syrup, USP, 5 lb bot. ....	.35	.36
GLUE, pure white, bbls. ....	.23	.26	100 vol. 275 lb bbls. ....	.05	.06%	Nitrate, large. ....	.99	.10
Medium white, bbls. ....	.20	.24	100 vol. 145 lb drgs. ....	...	45	Com'l. bbls. ....	100 lb	2.75
French, bbls. ....	.18	.25	100 vol. 4 oz. cans. ....	...	...	Ornate scales 25 lb cans. ....	.85	.88
High Grade, bbls. ....	.25	.40	Bot. 4 oz. cans. ....	...	...	Oxide red, Spanish. ....	...	...
Bone, regular, bbls. ....	.10	.12	Bot. 16 oz. cans. ....	...	...	& Ammon. Oxalate, 25 lb cans. lb	.03%	.07%
Fish, bbls. ....	1.00	1.75	Bot. 8 oz. cans. ....	...	...	& Potassium Oxalate, 25 lb cans. lb	.45	.47
GLYCERIN, C.P., 550 lb drums. lb	.19	.19%	Hydroquinone, 100 lb bags. ....	1.40	1.50	Sodium Oxalate, 25 lb cans. lb	.41	.43
Cans, 50 lb	.20	.22	Hyoscyamine, USP 1 oz. vials. ....	...	...	Phosphate, USP 50 lb	...	.59
Dynamite, 100 lb drs. ....	.18	.18%	Five oz. 1 oz. vials. ....	...	9.57	Pyrophosphate, USP, 50 lb	...	.74
Saponification, tanks	...	...	Hydrocaine Alk. Cryst., 1 oz. vials. ....	...	20.97	JALAP RESIN, lamp 5 lb tins. ....	3.25	3.35
Soap, Lye, tanks	...	...	Alkaloid, Anisopon, 1 oz. vials. ....	...	25.07	Powd. tins. ....	3.40	3.50
...	...	...	Hydrocavone, USP 1 oz. vials. ....	...	25.07	Kapok, 200 lb double bales. ....	.24	.25
Gas Powder, see chrysanthemum	...	...	Sulfate, 1 oz. vials. ....	...	20.97	KIESELEKURE, 95 lb bags. ....	60.00	70.00
Graphite, crude 220 lb bags. ....	15.00	25.00	Hyperic, 51%, 600 lb bbls. ....	.16	.18	MALONIN, see Adeps Lanes	...	...
Flake, 500 lb bbls. ....	.05	.09	Hyperic, chips. ....	...	...	Larch, 25%, 600 lb bbls. wks. lb	.03%	.04
Ground, lamp, bbls. ....	.04	.05	INDOL, C. P., 1 oz. bot. ....	...	...	Powd. 100 lb bags. wks. ....	.07	.08
Guaiacol Liquid, USP, 25 lb cans. lb	2.35	2.45	Indigo, Madras, bbls. ....	...	...	White, broken, bals. wks. 100 lb	...	...
Benzene, 1 lb bot. ....	...	18.00	Indigo, Manila, bbls. ....	...	...	White, broken, bals. wks. 100 lb	...	...
Carbonate, 5 lb boxes. ....	4.00	4.50	...	...	...	White, gran. bals. wks. 100 lb	...	15.00
Second Hands. ....	3.25	3.50	...	...	...	White, gran. bals. wks. 100 lb	...	15.25
HAARLEM OIL, Dom. 6 gr. oz. grm	2.75	3.00	...	...	...	Kegs, wks. ....	...	16%
Imported, 5 gr. cases. ....	3.75	4.00	...	...	...	Brown, broken, bals. wks. ....	...	14%
Halazone, 5 lb bot. ....	2.75	3.25	...	...	...	...	...	...

1848 1925

AGALITE  
CHINA CLAYVarious Grades of English  
in Lumps and PowderFELD SPAR  
FLOUR SPAR  
FULLERS EARTH  
INFUSORIAL EARTH  
PARIS WHITE  
PUMICE STONE  
SILEX  
TALC  
TERRA ALBA  
WHITINGHAMMILL & GILLESPIE, INC.  
240-242 Front St.  
New York CityChicago Representatives  
A. C. DRURY & CO.  
420 Rush St. Telephone Central 2349

DU PONT

## ACIDS and HEAVY CHEMICALS

Acids: Sulphuric

Chamber—Oil of Vitriol 66°—Oleum

Battery Acid

Acetic—Muriatic—Nitric—Mixed

Lactic: Technical and Edible  
Anhydrous Sodium Sulphate

Sulphate of Alumina

Commercial—Iron Free

Ammonia and Potash Alums, U.S.P.

Barium Chloride—

Salt Cake—

Strontium Nitrate—

E. I. du Pont de Nemours &amp; Co., Inc.

3500 Gray's Ferry Road, Philadelphia, Pa.  
256 Vanderpool St., Newark, N. J.

## Chemicals

<b>LEAD ACETATE (Cont.)</b>	
USP, 100 lb. kegs.....	15½ : .16
Ammonium, 100 lb. kegs. 1/2 whs. ....	.21 : .26
Whls. c/l whs. ....	.17 : .19
Paste, 100 & 500 lb. tobs. ....	.16 : .18
Iodide, USP VIII 5 lb. bot. ....	3.20 : 3.40
Nitrate, 500 lb. bbls. whs. ....	.12
Oxide, litharge, 500 lb. bbls. ....	.12%
100 lb. kegs. whs. ....	.16%
Oxide, red 500 lb. bbls. whs. ....	.12%
100 lb. kegs. whs. ....	.17%
Peroxide, 100 lb. drs. ....	.25 : .30
White, basic carb. 500 lb. bbls. whs. ....	.11
Bbls. c/l whs. ....	.11
100 lb. kegs. whs. ....	.15½
White, sulfate 500 lb. bbls. whs. ....	10½
Bbls. c/l whs. ....	.10½
Lignite Ext. Mass. cases. ....	.25 : .26
Compound powder, bbls. ....	.11 : .13
Powdered. ....	.38 : .40
Sticks, 1 oz. 100 lb. cases. ....	.45 : .50
LIME, (Salts, see Calcium Salts)	
Ground Stone, bags. ....	4.50
Live, Bulk. ....	8.50
Live, 325 lb. bbls. ton lots. whs. ....	.01½
Single bbl. whs. ....	.01%
Hydrated, 167 lb. bbl. ton lots. whs. ....	.01½
Single bbl. whs. ....	.01%
Oyster Shell, 130 lb. bbl. sing. ....	.03½
Sulfur, dry 200 lb. drs. NY. ....	.08½
Dra. c/l NY. ....	.08
33° Soln. 50 gal. bbls. NY gal. ....	.15 : .16
Linalool, 5 lb. bot. ....	6.25 : 6.75
Litharge, see lead oxide.	
Lithium Carb. USP, 100 lb. kegs. ....	1.50 : 1.60
Bromide, 100 lb. cts. ....	1.80 : 1.90
Citrate, USP, 100 lb. kegs. ....	1.70 : 1.75
Iodide, 5 lb. bot. ....	7.50
Lithopone, 400 lb. bbls. 1/2 whs. ....	.06%
Bbls. c/l whs. ....	.06%
Bags. c/l whs. ....	.06%
Imported, 400 lb. bbls. ....	.05% : .06
Litmus Cubes. ....	.90 : 1.00
Logwood, 51°, 600 lb. bbls. ....	.08½ : .09
Lower grades. ....	.07 : .08
Solid, 50 lb. boxes. ....	.12% : .18
LOGWOOD, sticks. ....	ton 23.00 : 27.00
Chips 150 lb. bags. ....	.03 : .03½
Luminol, see Phenylmethanimonium	
Madder, Dutch. ....	.28 : .30
MAGNESITE, crude. ....	ton .15.00
Calcined, 500 lb. bbls. ....	ton .55.00
Magnesium stnl. sticks 100 lb. cts. c/l whs. ....	1.25 : 1.30
Carb. tech. 70 lb. bags. NY. ....	.08 : .08½
75 lb. bbls. NY. ....	.09½ : .10½
USP, 50 lb. bbls. ....	.12 : .14
USP, blocks 100 lb. cts. 1, 2, 4 oz. ....	.18 : .23
Chloride, fused 575 lb. drs. c/l whs. ....	ton .34.00
Flaked, 350 lb. drs. whs. c/l tons. ....	.36.00
Imp., fused 900 lb. bbls. NY ton 26.00 : 28.00	
Fluorinate, crystals 400 lb. bbls. whs. ....	.12 : .15
30% soln. 500 lb. bbls. whs. ....	.07 : .07½
Soln. bbls. c/l whs. ....	.06
Glycerophosphate, 5 lb. tins. ....	3.25
Hypophosphite, 5 lb. cans. ....	1.05
Oxide, USP Light 100 lb. bbls. ....	.42
USP, heavy 250 lb. bbls. ....	.50
Peroxide, 5 lb. cans. ....	2.40
Perborate, 1 lb. tins. ....	2.62
Salicylate, 100 lb. kegs. ....	.75 : .80
Manganese Chloride, 600 lb. cts. NY. ....	.09½ : .10
Borate, 30%, 200 lb. bbls. ....	.24
100 lb. kegs. ....	.25
Dioxide, 80-84% 900 lb. bbls. NY. ....	ton 80.00 : 85.00
85-90%, 900 lb. bbls. NY. ....	ton 85.00 : 90.00
<b>MANGANESE DIOXIDE (Cont.)</b>	
Hydrated, precip. 100 lb. bgs. bbls. ....	.15 : .20
Glycerophosphate, 5 lb. tins. ....	... : 2.95
Hypophosphite, USP VIII 5 lb. cans. bbls. ....	... : 1.40
Iodide, 1 lb. bot. ....	... : .65
Ore, bulk, NY. ....	43 : .44
Sulfate, 600 lb. casks. NY. ....	... : .08
Mangrove, 55% 400 lb. bbls. ....	bbls. .04½ : .05
Mangrove, bark, African. ....	ton ... : 40.00
Marble Flour, bulk. ....	ton 10.00 : 12.00
See also Calcium Carbonate	
MENTHOL, USP, 60 lb. cases. ....	... : 12.25
Less cases, 5 lb. tins. ....	... : 12.75
Domestic, USP, 60 lb. cases. ....	... : ...
MERCURY, metal, 75 lb. flasks. flask. ....	83.00 : 85.00
Less Flasks, 5 lb. jugs. ....	... : 1.20
Bichloride, cryst. 25 lb. bgs. ....	... : 1.12
Gran. powd. 200 lb. kegs. ....	... : .95
Bisulfate, 25 lb. boxes. ....	... : .95
Blue Mass, 25 lb. boxes. ....	... : .65
Powdered, 25 lb. boxes. ....	... : .65
Blue Ointment, USP 25 lb. cans. ....	... : .86
50% ....	... : .58
USP, dilute 25 lb. cans. 30% ....	... : .74
33½% Mercury. ....	... : ...
Calomel, 50 lb. bgs. ....	... : 1.22
Citrine Ointment 25 lb. jars. ....	... : .51
Iodide, green 25 lb. jars. ....	... : 4.10
Red, USP 25 lb. jars. ....	... : 4.20
Yellow, USP VIII 25 lb. jars. ....	... : 4.10
Oxide, Yellow, USP, 25 lb. bgs. ....	... : 1.65
Red Precip. USP, 25 lb. bgs. ....	... : 1.38
Powder, USP, 25 lb. bgs. ....	... : 1.48
White Precip. USP 25 lb. bgs. ....	... : 1.34
Powdered, USP, 25 lb. bgs. ....	... : 1.39
With chalk, USP 25 lb. bgs. ....	... : .56
Meta-Nitroaniline. ....	bbls. .70 : .80
Meta-Nitro-para-Toluidine, 300 lb. ....	bbls. ... : 2.10

**VICTOR CHEMICAL WORKS**  
CHICAGO, ILL.

Largest Domestic  
Manufacturers of

**OXALIC  
ACID**

**HIGHEST PURITY**

**BRANCHES:**  
New York - Nashville  
St. Louis

**1816** **CHEMICALS** **1925**

"Over a Century of Service and Progress"

**CHLORIDE OF LIME  
AUSTIC SODA  
CHLORINE PRODUCTS**

Manufactured by  
**ISCO CHEMICAL CO.**, Niagara Falls  
SOLE DISTRIBUTORS

**INNIS, SPEIDEN & CO., Inc.**  
Manufacturers, Importers, Exporters of  
Industrial Chemicals

**46 CLIFF STREET, NEW YORK**

BRANCHES:

Chicago  
Philadelphia  
Boston  
Cleveland  
Gloversville, N. Y.

FACTORIES:

Niagara Falls, N. Y.  
Jersey City, N. J.  
Murphysboro, Ill.  
Owego, N. Y.

## Chemicals

<b>Meta-Phenylenediamine, 300 lb.</b> bbls. ....	<b>B</b>	<b>.80</b>	<b>: .95</b>
<b>Meta-Toluylendiamine, 300 lb.</b> bbls. ....	<b>B</b>	<b>.80</b>	<b>: .84</b>
<b>METHANOL (Wood Alcohol)</b> 95% tanks. ....	<b>gal</b>	<b>...</b>	<b>: .67</b>
Drums, c/l. ....	<b>gal</b>	<b>...</b>	<b>: .70</b>
Drums, le/l. ....	<b>gal</b>	<b>...</b>	<b>: .72</b>
97% tanks. ....	<b>gal</b>	<b>...</b>	<b>: .69</b>
Drums, c/l. ....	<b>gal</b>	<b>...</b>	<b>: .72</b>
Drums, le/l. ....	<b>gal</b>	<b>...</b>	<b>: .74</b>
Pure, Acetone free, th. ....	<b>gal</b>	<b>...</b>	<b>: .75</b>
Drums, c/l. ....	<b>gal</b>	<b>...</b>	<b>: .77</b>
Drums, le/l. ....	<b>gal</b>	<b>...</b>	<b>: .80</b>
Bbls. Incl. 5¢ higher			
Methyl Acetone, 100 gal. drums. ....	<b>gal</b>	<b>.75</b>	<b>: .80</b>
Tanks, cars. ....	<b>gal</b>	<b>.70</b>	<b>: .75</b>
Chloride, 900 lb. cyl. ....	<b>B</b>	<b>...</b>	<b>: .56</b>
Sulphuric, 90 lb. cans. ....	<b>B</b>	<b>...</b>	<b>: .47</b>
500 lb. drums. ....	<b>B</b>	<b>...</b>	<b>: .45</b>
Second Hand, cans. ....	<b>B</b>	<b>.44</b>	<b>: .45</b>
Methylene Blue, tech. 100 lb. bgs. ....	<b>B</b>	<b>1.25</b>	<b>: 1.50</b>
U.V., medicinal 50 lb. cans. ....	<b>B</b>	<b>2.00</b>	<b>: 2.30</b>
Wichter's Ketone, 235 lb. bbls. ....	<b>B</b>	<b>...</b>	<b>: 8.75</b>
Milk, powd. 150 lb. bbls. ....	<b>B</b>	<b>.14</b>	<b>: .15</b>
Milk Sugar, see sugar of milk			
Mineral Oil, see oil mineral			
Mineral Rubber. ....	<b>ton</b>	<b>35.00</b>	<b>: 75.00</b>
Monocrotalic, 50 gal. drums. ....	<b>B</b>	<b>6.</b>	<b>: .50</b>
Mosochlorobenzene, see chlorobenzene			
Monsophylaniline, 900 lb. drs. ....	<b>B</b>	<b>.90</b>	<b>: 1.00</b>
Monoacetyl para-phenylendiamine 100 lb. drs. ....	<b>B</b>	<b>3.95</b>	<b>: 4.20</b>
10 oz. ....	<b>oz</b>	<b>...</b>	<b>: 7.35</b>
<b>MORPHINE Sulfate, U.S.P. 5 oz. tins</b> 5¢s 25¢ extra; single on via., 7¢ ex. tra, over price for 5 oz. tins. 25¢ ex. tra in 5 oz. tins. 10¢ on lower than above schedule. Less than 10 oz. lots 15¢ on higher than above schedule.			
<b>MORPHINE (Cont.)</b>			
Acetate, 5 oz. tins 10 oz. lots. ....	<b>oz</b>	<b>...</b>	<b>: 7.35</b>
Hydrobromide, 5 oz. tins 10 oz. lots. ....	<b>oz</b>	<b>...</b>	<b>: 7.35</b>
Hydchloride, 5 oz. tins 10 oz. lots. ....	<b>oz</b>	<b>...</b>	<b>: 7.35</b>
Ethyli Hydchloride, 5 oz. via. 10 oz. ....	<b>oz</b>	<b>...</b>	<b>: 11.45</b>
Small Sizes: 5¢ on vials, 50¢ extra;			
Musk Ambrette, 1 lb. cans. ....	<b>B</b>	<b>11.75</b>	<b>: 12.25</b>
Myrobalans, 25% liquid bbls. ....	<b>B</b>	<b>.04</b>	<b>: .05</b>
50% solid, 50 lb. bags. ....	<b>B</b>	<b>...</b>	<b>: .08</b>
Myrobalans, bags J1. ....	<b>ton</b>	<b>60.00</b>	<b>: 65.00</b>
R2. ....	<b>ton</b>	<b>41.00</b>	<b>: 42.00</b>
J2. ....	<b>ton</b>	<b>42.00</b>	<b>: 45.00</b>
<b>NAPHTHA, See Solvent Naptha</b>			
<b>NAPHTHALENE, Flakes, 1750 lb. bbls.</b> wks. ....	<b>B</b>	<b>...</b>	<b>: .06</b>
Bbls., c/l. wks. ....	<b>B</b>	<b>...</b>	<b>: .03 1/2</b>
Bbls. second hands NY. ....	<b>B</b>	<b>.05 1/2</b>	<b>: .06</b>
Balls, 250 lb. bbls. wks. ....	<b>B</b>	<b>...</b>	<b>: .07</b>
Bbls., c/l. wks. ....	<b>B</b>	<b>...</b>	<b>: .06 1/2</b>
Bbls. second hands NY. ....	<b>B</b>	<b>.06 1/2</b>	<b>: .07</b>
Crushed, chipped, bgs., wks. ....	<b>B</b>	<b>...</b>	<b>: .05</b>
Crude, imp., bags. ....	<b>B</b>	<b>...</b>	<b>: .03</b>
<b>NICKEL</b>			
Ingot, 100 lb. bogs. ....	<b>B</b>	<b>.29</b>	<b>: .32</b>
Salt, single 400 lb. bbls., NY. ....	<b>B</b>	<b>.09</b>	<b>: .10</b>
Double, 400 lb. bbls., NY. ....	<b>B</b>	<b>.10</b>	<b>: .11</b>
Oxide, 100 lb. bogs. NY. ....	<b>B</b>	<b>.40</b>	<b>: .43</b>
Sulfate, 450 lb. bbls. ....	<b>B</b>	<b>.09</b>	<b>: .10</b>
Nickel Metal, electrolytic 100 lb.			
Nicotine, Free 40%, 5 lb. tins. ....	<b>B</b>	<b>1.35</b>	<b>: 1.90</b>
Sulfate, 10 lb. tins, 46%. ....	<b>B</b>	<b>1.05</b>	<b>: 1.35</b>
<b>NITRATE SODA, spot. ....</b>	<b>100 lb.</b>	<b>...</b>	<b>: 2.58 1/2</b>
Future, Jan.-Mar. ....	<b>100 lb.</b>	<b>2.59 1/2</b>	<b>: 2.61</b>
Nitre Cake, bbls. wks. ....	<b>ton</b>	<b>5.50</b>	<b>: 6.00</b>
500 lb. bbls. ....	<b>ton</b>	<b>13.00</b>	<b>: 14.00</b>
<b>Nitrobenzene, crude, 1000 lb. drs.</b> wks. ....	<b>B</b>	<b>...</b>	<b>: .09</b>
Redistilled, 1000 lb. drs. wks. ....	<b>B</b>	<b>...</b>	<b>: .09 1/2</b>
Nitronaphthalene, 550 lb. bbls. ....	<b>B</b>	<b>.30</b>	<b>: .31</b>
Nitrobenzene, mixed 1000 lb. drs.			
wks. ....	<b>B</b>	<b>...</b>	<b>: .14</b>
Nutgalls, see Crude Drugs			
Oak bark, whole. ....	<b>ton</b>	<b>30.00</b>	<b>: 33.00</b>
Ground. ....	<b>ton</b>	<b>...</b>	<b>: 35.00</b>
Oak, tanks, wks. ....	<b>B</b>	<b>...</b>	<b>: .03 1/2</b>
25-35% lig. 500 lb. bbls. wks. ....	<b>B</b>	<b>.04 1/2</b>	<b>: .04 1/2</b>
Ochre. ....	<b>B</b>	<b>...</b>	<b>: .03 1/2</b>
Oil Fuel, see Fuel Oil			
<b>011 MINERAL, wh. 50 gal. bbls. gal.</b>	<b>1.00</b>	<b>: 1.25</b>	
<b>Oil Mirbane, see nitrobenzene</b>			
<b>Opium, see crude drugs</b>			
Orange Mineral, 800 lb. cacls. NY. ....	<b>B</b>	<b>...</b>	<b>: .14</b>
500 lb. bbls., NY. ....	<b>B</b>	<b>...</b>	<b>: .14</b>
Ortho-Aminophenol, 50 lb. bags. ....	<b>B</b>	<b>2.40</b>	<b>: 2.50</b>
Ortho-Azidine, 100 lb. drs. ....	<b>B</b>	<b>...</b>	<b>: 3.00</b>
Ortho-Dichlorobenzene, 1000 lb. drs.			
wks. ....	<b>B</b>	<b>...</b>	<b>: .05 1/2</b>
Ortho-Nitrochlorobenzene, 1200 lb. drs.			
wks. ....	<b>B</b>	<b>...</b>	<b>: .37</b>
Ortho-Nitrophenol, 350 lb. ....	<b>B</b>	<b>...</b>	<b>: 1.00</b>
Ortho-Nitrotoluene, 1000 lb. drs.			
wks. ....	<b>B</b>	<b>...</b>	<b>: .09</b>
Ortho-Toluidine, 350 lb. bbls. ....	<b>B</b>	<b>...</b>	<b>: .19</b>
Orange Orange, 51° Liquid. ....	<b>B</b>	<b>.07</b>	<b>: .08</b>
Powd. 100 lb. bags. ....	<b>B</b>	<b>.14</b>	<b>: .15</b>
Orzal, USP, 5 lb. box. ....	<b>B</b>	<b>2.00</b>	<b>: 3.00</b>
Purified, 5 lb. box. ....	<b>B</b>	<b>1.50</b>	<b>: 2.50</b>
Crude, 5 lb. box. ....	<b>B</b>	<b>.80</b>	<b>: 1.25</b>
<b>PALLADIUM, metal 10 oz. lots. ....</b>	<b>75.00</b>	<b>: 76.00</b>	
Pancreatin, USP 5 lb. box. ....	<b>B</b>	<b>1.25</b>	<b>: 1.40</b>
Papain, 10 lb. box. USP, Powd. ....	<b>B</b>	<b>2.15</b>	<b>: 2.25</b>
Crude, 150 lb. cans. ....	<b>B</b>	<b>1.80</b>	<b>: 1.85</b>
Paraffin, ref'd 200 lb. cans. ....	<b>ton</b>	<b>123-127</b>	<b>Deg. M. P. ....</b>
123-127	<b>B</b>	<b>...</b>	<b>: .05 1/2</b>

# QUININE

## Sulphate and Minor Salts

Unexcelled in Uniformity of Quality  
Brilliant Crystallization and Purity of Color

## **Cinchonine, Cinchonidine Quinidine and their Salts**

**THEOBROMINE      CAFFEINE  
YOHIMBINE      QUINIC ACID**

Manufactured by

# N. V. Amsterdamsche Chininefabriek Amsterdam

## N. V. Bandoengsche Kininefabriek Bandoeng

# N. V. Nederlandsche Kininefabriek Maarssen

**Exclusive Distributors**

R. W. GREEFF & CO., Inc.

**78 FRONT ST., Cor. Old Slip, NEW YORK CITY**

## **Cresylic Acid**

## Creosote Oils

## **Cresol, U. S. P.**

## Pyridine

## Tar Acid Oils

## S. D. Turpentine

### S. D. Pine Oil

## Denatured Alcohol

**INDUSTRIAL CHEMICAL CO.**  
**THE FIFTH AVENUE BUILDING**

300 FIFTH AVENUE NEW YORK

200 FIFTH AVENUE, NEW YORK

## Chemicals

PARAFFIN (Cont.)	
125-132 Deg. M. P. ....	lb .06 : .06%
132-137 Deg. M. P. ....	lb .06% : .07
132-140 Deg. M. P. ....	lb .07% : .07%
Para-Aminonacetanilid, 100 lb kegs	1.10 : 1.15
Para-Aminophenol, 100 lb Hydrochloride, 100 lb kegs	1.16 : 1.25
Para-Dichlorobenzene, 150 lb wks.	1.35 : 1.40
25-50 lb kegs	.17 : .20
Paraldehyde, 100 gal. drs.	1.18 : .23
Par-Cymene, Refd., 110 gal drs. gal	2.25 : 2.50
Parformaldehyde, USP 100 lb es. lb	.42% : .45
Para-Nitroacetanilid, 300 lb bbls.	.50 : .55
PARA-NITROANILINE, 300 lb wks. ton	.62 : .65
Para-Nitrochlorobenzene, 1200 lb bbls.	.20 : .22
Para-Nitro-ortho-Toluidine, 300 lb bbls.	2.75 : 2.85
Para-Nitrophenol, 185 lb bbls.	.55 : .60
Para-Nitroodimethylaniline, 120 lb bbls.	.95 : 1.00
Para-Nitrotoluene, 350 lb bbls.	.42 : .45
Para-oxo Bemaldehyde, 100 lb kegs	1.70
Para-Phenetidin, 500 lb drs.	1.55 : 1.80
Para-Phenylenediamine, 350 lb bbls.	1.25 : 1.30
Para-Toluene-Sulfonamide, 175 lb bbls.	.40 : .41
Para-Toluene-Sulfonchloride, 410 lb bbls. wks.	.18 : .30
Para-Toluidine, 350 lb bbls. wks. lb	.70 : .75
PARIS GREEN	
Aromatic Basis, 500 lb kegs.	.25 : .30
Kegs, 100 lbs	.32 : .38
Kits, 56, 28, 14 lbs	.34 : .35

PARIS GREEN (Cont.)	
Packages, 5 and 2 lb.	lb .36 : .37
Packages, 1 lb, $\frac{1}{2}$ , $\frac{1}{4}$ lb.	lb .39 : .43
Paris White, see whiting, French	
Pepin, USP, 5 lb bot.	lb 2.25 : 2.50
Persian Berries	lb .37 : .30
PETROLATUM, green 300 lb bbls.	lb .02% : .03
Dark Amber, 300 lb bbls.	lb .03% : .04
Light Amber, 300 lb bbls.	lb .04% : .05
Cream White, USP 300 lb bbls.	lb .07 : .07%
Show White, USP, 300 lb bbls.	lb .12% : .13
Lily White, USP, 300 lb bbls.	lb .09 : .09%
Phenol, see also acid carbolic	
Makers, 950 lb drums, spot.	lb .23 : .24
Small drums, 240-100 lb	lb .24 : .26
Open market, drums	lb .24
240 lb des. drs. wks.	lb .25
Natural, 240 lb des. drs. wks.	lb .25
Phenolphthalein, USP, 100 lb drs. lb	1.30 : 1.40
5 lb cans, 100 lb lots	lb 1.40 : 1.50
Phenyl-Alpha-Naphthylamine, 100 lb kegs	lb 1.23 : 1.29
Phenylethylalcohol, 1 lb bot. Dom. ton	ton 8.00 : 10.00
Imported	lb 7.00 : 7.75
Phenylethylmalonurea, ox. phs. oz	oz .55
Phosgene, 100 lb cylinders	lb .50
Phosphate Acid, 16% Bulk wks. ton	ton 9.50
Phosphate Rock, f.o.b. mines	
Florida Pebble, 68% ton	ton 2.15
Florida Pebble, 70% ton	ton 2.95
Florida Pebble, 75-74% ton	ton 3.75
Tennessee, 72% ton	ton 5.50
Phosphorus Oxychloride, 175 lb cyl. lb	lb .35 : .40
Phosphorus, red 110 lb ca. wks. lb	lb .90 : .95
Imported, 112 lb cases	lb .90 : 1.00
Yellow, 110 lb ca. wks. lb	lb .35 : .37%
Imported, 112 lb cases	lb .35 : .37%
Phosphorus Trichloride, 175 lb cyl. wks.	lb .45
Phthalic Anhydride, 100 lb bbls. lb	lb .23 : .28

PILOCARPINE HYDCHLIDE, USP 25 oz.	
lots, 1 oz. vials.	oz 3.00 : 3.32
Nitrate, 25 oz.	oz 3.00
Single oz.	oz .33
Alkaloid, 15 gr. vials	oz .35
Pine Oil, stm. dist. bbls.	gal .66
Piperazine Hydrate, 1 lb bot.	lb .16
Piperidine, 25 oz.	oz 1.10 : 1.25
Pitch, Coal-Tar, wks.	ton 24.00 : 26.00
Pitch, prime	bbl .55
Plaster Paris, tech.	250 lb bbls.
True Dental, 300 bbls.	bbl .45
Platinum, metal soft 10 oz. lots	oz .117.00
Podophyllin, 5 lb bot.	lb 5.00 : 5.25
Second Hands	lb 4.50 : 4.60
POTASH	
Pot. Muriate, basis, 80% bgs. ton	ton : 34.55
Pot. Sulfate, basis, 90% bgs. ton	ton : 45.85
Dbl. Manure Salts, basis 48% bgs.	ton : 26.35
Manure Salts, basis, 30% bulk ton	ton : 17.08
Manure Salts, basis, 20% bulk ton	ton : 10.55
Kainit, basis, 12.4% bulk ton	ton : 7.75
Bulk in bags, \$2.00 extra	
Prices c.i.f. Atlantic & Gulf Ports.	
Discounts, 50 tons, 5%; 500 tons, 10%.	
POTASH, CAUSTIC, solid 88-92%	
700 lb drs. wks.	lb .07% : .07%
Imp. 88-92% 700 lb drs. NY. lb	lb .07% : .07%
USP, by alcohol 5 lb cans	lb .46 : .48
cases	lb .30 : .35
POTASSIUM Acetate, USP, 100 lb	
kegs	lb .29 : .30
Second Hands, kegs	lb .26 : .28
Bicarbonate, crys. 320 lb bbls.	lb .10 : .10%
Bichromate, crys. 900 lb cans	lb .08% : .08%
Powd. 900 lb cans wks.	lb .12
Binoxalate, 300 lb bbls.	lb .25 : .28
Import, 112 lb bbls.	lb .18 : .20

Largest producers of Pure Phthalic Anhydride in the world



## SELDEN Brand PHTHALIC ANHYDRIDE

is the Product by which all other  
Brands may be Standardized.

# IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

**THE SELDEN COMPANY**

Pittsburgh, Pa., U. S. A.

## Chemicals

POTASSIUM (Cont.)		POTASSIUM (Cont.)		QUININE SULFATE, USP,	
Biulfate, C.P., 5 lb cans...B	... : .80	Muriate, 80%, 200 lb bags, NY	...	Java, 100cs tins.....	... : .50
100 lb kegs.....B	... : .22	K <sub>2</sub> O unit.....	... : .63	Japanese, 100cs tins.....	... : .50
Bromate, 100 lb cs.....B	... : .75	Nitrate, see Saltpetre			
BROMIDE, C.P., cryst. 450 lb bbls.....B	.48 : .49	Orxalate, neutral, 100 lb kegs...B	.35 : .40	QUININE—(continued)	
Granular, 300 lb bbls.....B	.48 : .49	Percarbonate 112 lb kegs Mch.-Apr, B	... : .10 1/2	Acetate.....	... : .88
Cases, 100 lb.....B	... : .50	PERMANGAN, USP, crys. 500 lb & 100 lb drs. wks.....B	.15 : .16	Acetate.....	... : .88
Imported, USP, 220 lb cs...B	.42 : .44	Prussiate, red, 500 lb cans.....B	.15 : .16	Benzoate.....	... : .88
CARBONATE, 80-85% calc.		Prussiate, yellow, 500 lb cans.....B	.39 : .19	Bluiflate, USP.....	... : .50
800 lb cks.....B	.05% : .06	Succinate, 25 lb cans.....B	.60 : .65	Citrate.....	... : .62
80-85% hydrated, 800 lb cks.....B	.05% : .05%	Sulfate, 200 lb bags, NY, K <sub>2</sub> O unit	... : .85	Dihydchloride, USP.....	... : .66
90-95% calc. cases.....B	.05 : .05%	USP, VIII, 100 lb kegs.....B	.15 : .18	Dibromhydrate.....	... : .66
96-98% calc. cases.....B	.06% : .06%	Sulfoxamide, CP 25 lb jars.....B	... : .50	Di-carbonate, 100x tins.....	... : 2.50
98% calc. cases.....B	.07 : .07%	Tartrate, neutral, 100 lb bags.....B	.51 : .51	Ethyl Carbonate, 16oz. tins.....	... : .91
USP 100 lb kegs.....B	.12% : .13	Titanium Orxalate 200 lb bbls...B	.25 : .30	Ferrocyanide.....	... : .88
99% CP cases.....B	... : .12%	Prussians blue.....B	.45 : .50	Fornate.....	... : .85
Chlorate, crys. 112 lb kegs, c/s wks.....B	.09 : .10	Umber Stone, lump, 250 lb bbls...B	.04% : .06	Glycerophosphate.....	... : .88
Imp. 112 lb kegs, NY...B	.07 : .07%	Lump, bags.....B	.03% : .05	Hydriodide.....	... : .88
Powd. 112 lb kg wks.....B	.08% : .09	Powdered, 350 lb bbls.....B	.02% : .03	Hydrobromide, USP.....	... : .63
Imp., kegs, NY.....B	.06% : .07%	Pyridine, 50 gal. drum.....gal	4.10 : 4.25	Hydrochlorosulfate.....	... : .66
Gran. Imp. 112 lb kg NY...B	.10% : .11	QUEBRACHO, 35% liquid tins...B	.03% : .04	Hydrochloride & Urea, USP.....B	... : .88
Pyrotechnic, fine powd. NY...B	... : .07	450 lb bbls.....B	.03% : .04	Hydrophosphate.....	... : .88
UHP, fine crys. 110 lb kegs NY.....B	.07 : .07%	35% bleaching, 450 lb bbls...B	.04% : .05%	Lactate.....	... : .78
Citrate, USP 50 lb.....B	... : .60	Solid 65% 100 lb bales.....B	... : .64%	Phenoldisulfone.....	... : .68
Cyanide, 110 lb cases.....B	.60 : .65	Clarified, bales.....B	... : .05	Phosphate.....	... : .74
Glycerophosphate, 75% Soln. 25 lb tins.....B	1.25 : 1.50	Quercitron, 51° 450 lb bbls...B	.06% : .08	Salicylate, USP.....	... : .68
Guaiacol Sulfonate, 5 lb cans, 10 lb.....B	1.00 : 1.25	Powdered, 100 lb boxes.....B	.10% : .13	Tannate, USP.....	... : .45
Hypophosphate, 10 lb cans...B	.80 : .85	Quercitron bark, rough.....ton	... : 10.00	Tartrate.....	... : .88
Iodide, USP, 100 lb cans...B	3.45 : 3.50	Ground.....ton	20.00 : 25.00	Valerate.....	... : .88
Lactophosphate, 4cs bot.....B	... : .90	QUICKSILVER, see Mercury		Small Size: 10s vials or cans, 50m. lots, 5c or extra; 5cs cans, 50cs lots 3c or extra; 25cs cans, 50cs lots 2c or extra; single 10s vials or cans, 5c extra. All minor quinine salts sold and quoted bands 100m lots in 100cs cans. Sulfate and bisulfite sold bands 100cs lots in 100cs cans. Smaller orders or containers extra as above schedule.	
Metabolite, 300 lb bbls...B	.18 : .20	Quinidines Alk., 100cs tins.....	... : .75		
Imp., 550 lb bbls...B	.10 : .13	Sulfate, 100 cs tins.....	... : .50		



Reg. U. S.  
Pat. Off.

## INDANTHRENE THIO-INDIGO

and other vat dyes

# HELINDON HYDRON



Reg. U. S.  
Pat. Of.

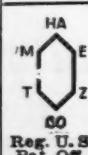
## STOCK AND IMPORTATIONS

direct from the manufacturers.

*A complete line of*

**Acid, Basic, Chrome, Sulphur and Direct Colors,  
Intermediates, Cotton Finishes, Turkey Red Oils,  
Soluble and Leather Oils.**

manufactured by  
Consolidated Color & Chemical Co.  
Central Dyestuff & Chemical Co.  
Williamsburg Chemical Co.  
and Other American Manufacturers.



Reg. U. S.  
Pat. Off.

# H.A. METZ & CO. Inc.



Reg. U. S.  
Pat. Of

## Pale Cresylic Acid

97-99%

Manufactured by

The Graesser-Monsanto Chemical Works, Ltd.

**A uniform acid of  
excellent quality**

#### Warehouse stocks carried at

NEW YORK      ST. LOUIS      SAN FRANCISCO      LOS ANGELES

**Monsanto Chemical Works**  
St. Louis, U.S.A.

12 Platt St.  
NEW YORK

A circular logo with a double-lined border. The top half of the border contains the word "CHEMICALS" and the bottom half contains "QUALITY", both in a serif font. The bottom center of the circle contains the word "Monsanto" in a larger, bold, serif font. Below "Monsanto", the words "ST. LOUIS, U.S.A." are written in a smaller, all-caps serif font.

500 N. Dearborn St.  
CHICAGO

MONSANTO  
ST. LOUIS, U.S.A.

# QUININE Sulphate — Bisulphate

Manufactured by  
**Hoshi Pharmaceutical Co.**

Exclusive Distributors for North & South America

# VIETOR & HOSKEN

160 Pearl St., New York

Hanover 3224-3225

Cables : Hoskwil



## Chemicals

SALT, 250 lb bbls. wks.....		49	: .50	SALTPETRE (Cont.)		SODA ASH (Cont.)			
Red Lead, see lead oxide				Less c/l works, bbls.....	lb .06%	.06%	c/l wks. ....	100 lb	... : 1.45
Red Precipitate, see mercury				Large Crystals, 350-400 lb bbls., c/l wks. ....	lb .06%	.06%	Pmpt. and spot, Basis 58% bags c/l wks. ....	100 lb	... : 1.55
Resorcin, see resorcinol				Small Crystals, 350-400 lb bbls., c/l wks. ....	lb .07%	.07%	SODA, CAUSTIC, 76% solid		
Resorcinol tech, 100 lb kegs.....	lb 1.35	: 1.50		Powdered, bbls., c/l wks. ....	lb .07	.07	1-4 drums, deliv'd NY..100 lb	... : 3.91	
USP, 25 lb cans.....	lb 2.25	: 3.85		Imported, 500 lb bbls., NY....	lb .06%	.06%	5 & Up drums deliv'd NY..100 lb	... : 3.70	
Rockelle Salt, USP, 225 lb bbls. ....	lb .20	: .21		Santonia, USP, 1 lb bot. ....	lb 150.00	: 153.00	Ground & Flakes, 76%		
Imp. USP, 300 lb bbls. ....	lb .19	: .20		Powd. 1 lb bot. ....	lb 153.00	: 157.00	1-4 drums, deliv'd NY..100 lb	... : 4.31	
Rosewater, triple, 5 gal. demis..gal	.90	: 1.10		Saponin, ex Quillaja, 5 lb tins. ....	lb .90	: 1.10	5 & Up drums deliv'd NY..100 lb	... : 4.16	
Rosin, (Sold in 500 lb bbls., gross for net,				Satin White, 500 lb bbls. ....	lb ...	: .01%	1-4 bbls., deliv'd ....	100 lb	... : 4.56
B ..... 280 lb ....	... : 8.25			Schaeffer's Salt, 250 lb bbls. wks. ....	lb .60	: .65	5 & Up bbls., deliv'd ....	100 lb	... : 4.41
D ..... 280 lb ....	... : 8.25			Scopolamine, see hyoscine.			Contract basis 76% c/l wks.		
E ..... 280 lb ....	... : 8.25			Sedditz Mixture, 225 lb bbls. ....	lb .16%	: .16%	100 lb		
F ..... 280 lb ....	... : 8.30			SILICA			Pmpt. and spot, Basis 76% c/l wks. ....	100 lb	... : 3.28
G ..... 280 lb ....	... : 8.30			Crude, bulk, mines.....	ton 10.00	: 12.00	Contract 74% low grade c/l wks. flat ....	100 lb	... : 3.03
H ..... 280 lb ....	... : 8.30			Refined, floated, bags.....	ton 18.00	: 30.00	Ground & flake, 76% pmpt. and spot, wks. c/l drs..100 lb	... : 3.60	
I ..... 280 lb ....	... : 8.40			Air floated, bags.....	ton 32.00	: 50.00	Contract 76% drums c/l wks.		
K ..... 280 lb ....	... : 8.45			Extra floated, bags.....	ton 55.00	: 65.00	flat ....		
M ..... 280 lb ....	... : 8.50			SILVER, metal, American.....	ton ...	: .99%	USP, stick, 10 lb cans.....	lb .19	: .21
N ..... 280 lb ....	... : 8.75			Foreign .....	ton ...	: .66%	Pure, stick, by alcohol.....	lb .25	: .37
WG ..... 280 lb ....	... : 9.50			Colloidal, 16oz. bot. ....	oz .69		SODIUM ACETATE, cry. 450 lb bbls.		
WW ..... 280 lb ....	... : 10.50			Silver Iodide, 16oz. bot. ....	oz .69		wks. ....		
quotations based on a unit of 280 lb.).				Nitrate, 16 oz. bot. ....	oz .45%	: .46%	Aluminate, 500 lb bbls., wks. ....	lb .05	: .05%
Rosin Oil, first run, 50 gal. bbls. gal	... : .45			Nucleinate, 16oz. bot. ....	oz .34	: .38	Aluminate, Sulfate, see alum. soda		
Second run, bbl. ....	gal ... : .47			Proteinate, 16oz. bot. ....	oz .34	: .38	Arsenite, 4lb. mat. wks. drums. gal	.50	: .60
Rotten Stone, Lump imp., bbls. ....	lb .07	: .08		Soap, Castile, 40 lb bxs. ....	lb .20	: .25	Drums, 8lb. material, wks. gal	1.00	: 1.20
Lump selected, bbls. ....	lb .09	: .12		Powd. USP, 250 lb bbls. ....	lb .28	: .35	Benzoate, USP, 100 lb bbls. ....	.62	: .65
Powdered, bbls. ....	lb .03	: .06		Green, USP, 150 lb kegs. ....	lb .07	: .07%	Resales, ....	.61	: .64
Domestic, bags, mines.....	ton 24.00	: 30.00		Soapstone, see Talc, crude			Bicarbonate, 400 lb bbls. ....		
SACCHARIN, USP, 10 lb cans, 25 lb				SODA ASH, 58% light			Bags, deliv'd NY..100 lb	... : 2.25	
lb 1.75	: 1.85			1-4 bags, deliv'd NY....	100 lb	... : 2.19	Bags, c/l wks. ....	100 lb	... : 2.00
Sago Flour, 150 lb bags.....	lb ... : .05			5 & Up bags, deliv'd NY..100 lb	... : 2.04		112 lb kegs wks. ....	100 lb	... : 2.25
Sal Ammoniac, see Ammon. Chloride				1-4 bbls., deliv'd NY....	100 lb	... : 2.44	112 lb kegs. ....	100 lb	... : 2.50
Salicin, USP, 1 lb cartons, 25 lb. ....	lb 4.75	: 5.00		5 & Up bbls., deliv'd NY..100 lb	... : 2.29		Bichromate, 600 lb cans. ....	lb .06%	: .07
Salol, USP, 100 lb drums.....	lb .75	: .80		Contract, Basis 58% bags c/l	100 lb	... : 1.88	Casua, c/l. NY ....	lb .06%	: .07
Salt, Common, see sodium chloride				wks. ....			Caska, NY ....	lb .06%	: .06%
Salt Cake, c/l f.o.b. wks. ....	ton 12.00	: 22.00		Prompt and spot, Basis 58% bags			Bisulfite dry powder, 500 lb		
SALTPETRE, Double Refined				c/l wks. ....	100 lb	... : 1.48	bbls., wks. ....	lb .04	: .04%
Granular, 400-500 lb bbls.				Contract, Basis 58% dense bags					
c/l wks. ....	lb ... : .06								

Soda Ash  
Caustic Soda  
Bicarbonate of Soda



Textile Soda  
Modified Sodas  
Special Alkalies

Specify "Diamond" and Depend Upon Quality

Diamond Alkalies  
are recognized as  
quality products,  
and they are sold on  
a quality basis.



The Trademark  
of Quality  
in Alkalies

There is economy  
in buying Diamond  
Alkalies for the ad-  
ditional value which  
they represent.

DIAMOND ALKALI COMPANY • PITTSBURGH, PA.

*There are convenient warehouse stocks in your vicinity*



The small order and the large order are as one with Solvay. Each receives the same careful routine of service; the same high quality of product; the same fair treatment of price, and the patronage of each is appreciated by the organization.

Solvay Fluf (Extra Light Soda Ash)

Solvay 58% Soda Ash

Dense—Light

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snow Flake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



## The Solvay Process Company

Detroit, Mich.

Syracuse, New York

Hutchinson, Kan.

*Sales Department Wing & Evans Inc.—40 Rector St., New York*

Boston

Cincinnati

Cleveland

Detroit

Pittsburgh

Chicago

Syracuse

Indianapolis

## Chemicals

<b>SODIUM</b> —(Continued)	
<b>SODIUM, USP, 450 lb</b>	<b>bbls...lb</b>
<b>Caso, 50 lb</b>	<b>...lb</b>
<b>Imp. USP, 112 lb</b>	<b>...lb</b>
<b>Bromate, 100 lb ca.</b>	<b>...lb</b>
<b>Cacodylate, USP, 25 lb</b>	<b>...lb</b>
<b>5 lb bot.</b>	<b>...lb</b>
<b>Carbonate, sal soda, 350 lb bbls.</b>	<b>...lb</b>
<b>le/l NY</b>	<b>100 lb</b>
<b>Works e/l</b>	<b>100 lb</b>
<b>Manohydrite, 400 lb bbl.</b>	<b>...lb</b>
<b>le/l NY</b>	<b>100 lb</b>
<b>Perf. photographic,</b>	<b>100 lb</b>
<b>hot</b>	<b>...lb</b>
<b>.06</b>	<b>...lb</b>
<b>Chlorate, 112 lb kgs.</b>	<b>...lb</b>
<b>Imported, 112 lb kgs.</b>	<b>...lb</b>
<b>Imp. 450 lb chs.</b>	<b>...lb</b>
<b>Chloride, tech.</b>	<b>12.00</b>
<b>C. P., 300 lb bbls.</b>	<b>...lb</b>
<b>Chromate, 800 lb bbls.</b>	<b>...lb</b>
<b>Citrate, USP, IX, 50 lb kgs.</b>	<b>...lb</b>
<b>USP, VIII, 50 lb kgs.</b>	<b>...lb</b>
<b>Cyanide, 96-98%, 100 lb cases</b>	<b>...lb</b>
<b>wks.</b>	<b>...lb</b>
<b>Two lots, wks.</b>	<b>...lb</b>
<b>.22</b>	<b>...lb</b>
<b>75-76%, 100 lb cases, wks.</b>	<b>...lb</b>
<b>125-122%, 260 lb ca.</b>	<b>...lb</b>
<b>.20</b>	<b>...lb</b>
<b>120-125%, 200 lb ca.</b>	<b>...lb</b>
<b>.17</b>	<b>...lb</b>
<b>118-120%, 200 lb ca.</b>	<b>...lb</b>
<b>.16</b>	<b>...lb</b>
<b>Fluoride, 300 lb bbls. wks.</b>	<b>...lb</b>
<b>.09</b>	<b>...lb</b>
<b>Imp. 350 lb bbls.</b>	<b>...lb</b>
<b>.09</b>	<b>...lb</b>
<b>Glycerophosphate, USP, cryst. 25 lb</b>	<b>...lb</b>
<b>cryst.</b>	<b>...lb</b>
<b>Powder, 25 lb tins</b>	<b>...lb</b>
<b>1.40</b>	<b>...lb</b>
<b>Solution, USP, 25 lb tins</b>	<b>...lb</b>
<b>1.45</b>	<b>...lb</b>
<b>1.05</b>	<b>...lb</b>
<b>Hydroxide, see Soda Caustic</b>	
<b>Hypochlorite, Soln., 100 lb chys.</b>	<b>...lb</b>
<b>14 1/2% soln., 50 lb chys.</b>	<b>...lb</b>
<b>.05</b>	<b>...lb</b>
<b>Hydrosulfite, 200 lb bbls, fob, wks.</b>	<b>...lb</b>
<b>.22</b>	<b>...lb</b>
<b>For Stripping, 200 lb cans.</b>	<b>...lb</b>
<b>.35</b>	<b>...lb</b>
<b>Hypophosphite USP 25 lb cans</b>	
<b>.70</b>	<b>...lb</b>
<b>.75</b>	<b>...lb</b>

SODIUM—(Continued)			
HYPOFLUORITE, tech. pes. cry.			
375 lb bbls. wks....	100 lb	2.65	: .95
Bbls. c/l wks....	100 lb	...	: 2.50
100 lb kegs wks....	100 lb	2.75	: 3.35
Imp. ....	100 lb	2.50	: 2.65
Granulated, bbls. wks....	100 lb	2.90	: 3.30
Bbls. c/l wks....	100 lb	...	: 2.75
Kegs. wks....	100 lb	3.00	: 3.60
Regular crystals....	100 lb	2.35	: 2.65
Iodide, USP, 25 lb jars....	lb	4.25	: 4.30
Metalloite, 150 lb bbls....	lb	.55	: .70
Naphthionate, 300 lb bbls....	lb	.59	: .62
Nitrate, crude, 95%, 200 lb bags....	lb		
c/l NY	lb	...	: 2.62
Future, NY ....	100 lb	2.64	: 2.66
Double Refined 400 lb bbls			
gran. c/l wks....	lb	...	: 04%
Nitrite, 500 lb bbls, spot makers bbls....			
Imp. 650 lb casks....	lb	.09%	: .09%
Ortho-Chloro-Toluene Sulfonate,			
175 lb bbls. wks....	lb	.25	: .97
Oxalic, neutral, 100 lb kegs....	lb	...	: .38
Perborate, 275 lb bbls....	lb	...	: .91
Imp. 225 lb drs....	lb	...	: .22
Peroxide, 200 lb cases....	lb	.25	: .97
Phosphate di-sodium, tech. 550 lb bbls....	lb	.03%	: .0%
USP. gran. 275 bbls....	lb	.07	: .07%
Imp. gran.	lb	.05%	: .0%
USP, recrys. 275 bbls....	lb	.10	: .10
Mono-sodium, 100 lb kgs....	lb	.24	: .28
Tri-sodium, tech. c/l bbls....	lb	.03%	: .0%
Picramate, 100 lb kgs....	lb	...	: .60
Fars-Toluene Sulfonate, 175 lb bbls....	lb	.08	: .99
PRUSSIATE, yellow, 350 lb bbls.			
wks.	lb	.11	: .12
Imp. 450 lb cks....	lb	.10	: 10%
Pyrophosphate, 100 lb kegs....	lb	.24	: .26
Salepate, 100 lb kegs....	lb	...	: .40
Second Hand, USP. kgs....	lb	.37	: .40

SODIUM—(Continued)			
Silicate, 60° 700 lb. bbls. f.a.s.			
NY ..... 100 lb	...	...	2.06
Works, 1000 lb drums. 100 lb	...	...	1.99
Works, tanks ..... 100 lb	...	...	1.78
40° domestic, 700 lb c/l f.a.s.			
W.W. ..... 100 lb	...	...	.89
Works, 1000 lb drums. 100 lb	...	...	
Works, tanks ..... 100 lb	...	...	.75
Spot, drums, bbls. 100 lb	...	1.05	1.30
Silicofluoride, 450 lb bbls. NY. D.	.04 1/2	...	.04 1/2
Sulphate, see Glauber's Salt			
Sulfate, Anhydrous, 550 lb bbls.			
c/l wks. .... B	.08 1/2	...	.04
Impt. 250 lb bbls. .... B	.03	...	.03 1/2
Sulfide, 96% solid, 650 lb drs.			
1c/l wks. .... B	.04	...	.04 1/2
Dr. c/l wks. .... B	.03	...	.03 1/2
Imp. 700 lb drs. NY. D.	...	...	.03 1/2
60% broken, 650 lb drs. wks. B	.04 1/2	...	.03
Imp., 500 lb drs. NY. D.	.03 1/2	...	.04
30% crys. 440 lb bbls. wks. B	.02	...	.03 1/2
Imp. 400 lb bbls. .... B	...	...	
Sulfite, crys. 400 lb bbls. wks. B	.03 1/2	...	.03 1/2
Anhydrous, 400 lb bbls. .... B	.09 1/2	...	.18
Sulfocarbonate, USP, 100 lb kegs			
kegs ..... B	.35	...	.37
Sulfocyanide, 400 lb bbls. .... B	.45	...	.47
Tungstate, crys. 100 lb kegs. .... B	.55	...	
Anhydrous, kegs ..... B	...	...	.75
SOLVENT NAPHTHA, 110 gal			
drs. wks. .... B	.29	...	.30
8000 gal. tank cars, wks. gal	.24	...	.25
Sparlein Sulfate, U.S.P., 250 bulk or			
Single or. vial ..... B	.30	...	.47
Spirits Turpentine, bbls. .... gal			
Spruce, 25% liquid tanks wks. B	.01	...	.01 1/2
Powd. 50% 100 lb bags. wks. B	.02	...	.02 1/2
Starch, rice, 140 lb bags. .... B	.09	...	



***"Distinguished for its High  
Test and Uniform Quality"***

"Wyandotte" service to alkali users is on a par with the quality of "Wyandotte" products. A careful development of facilities and organization enables us to meet unusual demands as promptly as we satisfy ordinary requirements.

SODA ASH  
CAUSTIC SODA  
BIGARBONATE of SODA

## MICHIGAN ALKALI COMPANY

**General Sales Department**  
21 East 40th Street, New York  
Works: Wyandotte, Michigan



COMMERCE once drew its salt from the oceans — now International Salt supplies the demand of industry for a pure product.

Because purity is its basic quality International Salt has made an enviable record of satisfaction. Users know that International Salt can be depended upon for unvarying performance.

You can settle the important question of what salt to use by testing International Salt in your own processes. It will establish a record for results in your plant — just as it has for other leaders in the industries.

**INTERNATIONAL  
SALT COMPANY, INC.**

SCRANTON

PENNSYLVANIA

NEW YORK OFFICE: 2 RECTOR STREET

**THE CHEMICAL AGE**  
(LONDON)

A weekly journal devoted to Industrial and Engineering Chemistry.

Its news service is unrivalled in Chemical journalism; each weekly issue contains original contributions of practical value by eminent writers.

The Chemical Age is essential to the manufacturer and chemist alike—all desirous of keeping pace with modern development should study its pages week by week.

Specimen Copy, subscription and  
advertisement rates sent free  
upon request to the Publisher,  
8 Bouvier St., London, E. C. 4

DRUG AND FINE CHEMICAL SECTION

## Chemicals

STARCH, powd. 140 lb bags, c/l 100 lb		4.17	SULFUR (Cont.)	
Bags, 1c/l	100 lb	4.27	Crude, f.a.b. mines	ton 14.00 : 15.00
Pearl, 140 lb bags, c/l	100 lb	4.07	Brimstone, 250 lb bags, c/l 100 lb	1.75 : 1.95
Bags, 1c/l	100 lb	4.17	Less c/l bags, NY	100 lb 1.85 : 2.10
Potato, domestic, 200 lb bags, lb	.05%	.06	Roll, 500 lb bbls, c/l NY, 100 lb	... : 2.15
Imported, bags duty paid, lb	...	.06 1/2	Less c/l bags, NY	100 lb 2.20 : 2.45
Steamed Bone Meal, 3 & 50 lb bags, ton	...	27.30	Flour, Heavy, 200 lb bbls, 100 lb	2.50 : 3.05
SURSTONIUM Bromide, U.S.P., 50 lb bags	lb	.51 : .52	Light, 100% 200 lb bbls, 100 lb	2.60 : 3.15
Carb. 600 lb bbls, wks	lb	.07	Rubbermakers, 100%, 240 lb bbls, NY	100 lb 2.50 : 3.30
100 lb kegs, wks	lb	.08	Commercial, 99%, 150 lb bags, NY	100 lb 1.35 : 1.65
Iodide, U.S.P., 25 lb jars	lb	4.00	For Dusting, 99%, 100 lb bags, NY	100 lb 2.00 : 2.50
Nitrate, 600 lb bbls, wks	lb	.10	Flowers, 100%, 240 lb bbls	100 lb 8.00 : 8.55
Imp., bbls, NY	lb	.09 1/2	Precipitated, 125 lb bbls, NY	100 lb .14 : .17
Salicylate, U.S.P., 100 lb bags, lb	lb	.75 : .80	Lac, 125 lb bbls, NY	100 lb .07 : .10
STRYCHNINE Alkaloid, U.S.P., crys. 100 on time	lb	.81	Sulfur Chloride, red, 700 lb drs, wks	100 lb .06 : .07
Alk. powder, U.S.P.	lb	.71	150 lb drs, wks	100 lb .06 : .08
Acetate	lb	.80	Yellow, 700 lb drs, wks	100 lb .05 : .06
Glycerophosphate, U.S.P.	lb	.80	150 lb crys, wks	100 lb .06 : .07
Hydrobromide	lb	.80	Sulfur Dioxide, 100 lb cyl	100 lb .08 : .08 1/2
Hydrochloride	lb	.80	Iodide, U.S.P., VIII, 5 lb bot, lb	100 lb ... : 4.55
Hydrophosphate	lb	.80	Sulfuric Ether, see Ether	...
Mitrate	lb	.80	Sulfuryl Chloride, 600 lb drs	100 lb .75 : 1.00
Sulfate	lb	.80	Sumac, Liquid 450 lb bbls	100 lb .06 : .07 1/2
Phosphate	lb	.80	Sumac, 600 lb bbls	100 lb .11 : .12
Sulfite, U.S.P., crys. powder	lb	.87 1/2	Sumac, Sicily, 160 lb bags	ton 172.00 : 180.00
Starch, 1000 lots in 1000 time, Small Size; 1/2 oz vials, 50c extra; 1/4 oz vials, 25c extra; single vials, 10c extra. Lots of 25 cm. 5c higher than above schedule. Lots of less than 25 cm. 10c higher per oz.	gal	.68 : .72	Virginia, 150 lb bags	ton 50.00 : 53.00
Sugar Coloring bbls	gal	.68 : .72	Destructive, distilled, bbls, gal	.68 : .70
Sugar MILK, U.S.P., 200 lb bbls, lb	.31 1/2 : .22	TALC, Italian, 220 lb bags, NY	ton 40.00 : 50.00	
Second Hand, U.S.P., bbls, lb	.19 : .20	Refined white, bags	ton 60.00 : 80.00	
Sulfonated, see Sulfonmethane			French, 220 lb bags, NY	ton 30.00 : 35.00
Sulfonethylmethane, U.S.P., 10 lb bags, lb	3.85 : 4.05	Refined, white, bags	ton 35.00 : 45.00	
Sulfonmethane, U.S.P., 10 lb hrs, lb	2.65 : 2.85	Dom., crude, 100 lb bags, NY	ton 13.00 : 15.00	
SULFUR, crude bulk, c/l NY	ton 18.00	Refined, 100 lb bags, NY	ton 16.00 : 18.00	
		Tankage, ground, NY	unit 3.60 : 3.75	
		High grade, f.o.b. Chicago	unit 3.00 & 10	
		Tapioca Flour, high grade bags	lb .05% : .06	
		Medium grade bags	lb .04% : .05	
		Low grade, bags	lb .03% : .04%	

# NITRATE POTASH

DOUBLE REFINED CRYSTALS  
GRANULATED OR POWDERED



BATTELLE & RENWICK

Estd. 1840

80 Maiden Lane, New York, N. Y.

PRICES CURRENT SECTION



BARRETT specifications  
for COAL TAR SOLVENTS are  
STANDARD

The *Barrett* Company

40 Rector Street New York, N. Y.

*Coast to Coast Producing Points!*

Tripoli  
Tungsten  
Turkey  
Turpentine  
Wool  
Utrastream  
UREA  
Valencia  
Bea  
Mix  
VANIL  
Cans  
Cans  
S  
Venetian  
Verdigris  
Vermill  
Eng  
Veratri  
Hydr  
Verona  
Wattle  
WHITE  
White  
Whiting  
B  
Gillie  
French  
Eng  
Witch  
Wood  
LYLE

1  
50  
1  
100  
Com  
T  
Xyldi

G  
N  
C  
H  
E  
M  
S

G  
15

## Chemicals

Tripoli, 500 lb. bbls.....	100 lb.	2.50	: 3.00
Tungsten NY.....	WO <sub>2</sub> unit	8.80	
Turkey Red Oil, bbls.....	lb.	.11	: .12
Turpentine, see Spirits Turpentine			
Wood, see Wood Turpentine			
Ultramarine Blue.....	lb.	.15	: .25
UREA, pure, 112 lb. cases.....	lb.	.18	: .20
Valonia Cups, 30-31% tan.....	ton	35.00	: Nom.
Beard, 42% tan, bgs.....	ton		: 53.00
Mixtures, 36% tan.....	ton	41.00	: 42.00
VANILLIN, USP, 500 oz. cans.....	oz.		: .49 <sup>1/2</sup>
Cans, 80 oz.....	oz.		: .50
Cans, 16 oz.....	oz.		: .51
Second Hands.....	oz.	.47	: .50
Venetian Red.....	lb.		: .05
Verdigris, see Copper Subacetate			
Vermilion, Amer. 100 lb. kegs.....	lb.	.35	: .40
English, kegs.....	lb.	1.50	: 1.55
Veratrone Sulfate, 1oz. vial.....	oz.		: 1.85
Hydrochloride, 1oz. vial.....	oz.		: 1.85
Veronal, see Acid Diethylbarbituric			
Wattle bark, bgs.....	ton		: 42.25
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb. bags, c/l wks.....	ton	18.00	: 15.00
Bags, 1c/l NY.....	ton		: 18.00
Gilders, bags, NY.....	ton	13.50	: 15.00
French, bags, NY.....	ton		: 18.00
English, bags, NY.....	ton		: 21.00
Witch Hazel Extract, 50 gal. bbls, gal.	1.00		: 1.05
Wood Turpentine, stm. dist. bbls, gal.	.82 <sup>1/2</sup>		: .85
XYLENE, 3° dist. range, nitration			
th. wks.....	gal.	.45	: .50
110 gal. drs. NY.....	gal.	.50	: .55
5° dist. range, 8000 gal. tanks			
wks.....	gal.	.30	: .31
110 gal. drs. wks.....	gal.	.35	: .40
10° dist. range, drums, wks, gal.	gal.	.30	: .35
Tanks, wks.....	gal.	.25	: .26
Commercial 110 gal. drs., wks, gal.	gal.	.30	: .31
Tanks, wks.....	gal.	.25	: .26
Xylylne	lb.	.40	: .42

YARA YARA, 1 lb. tins.....	lb.	1.65	: 1.80
Yohimbine Hydchloride, 1 oz. vial.....	oz.	3.00	: 3.57
Yolk Oil, bbls.....	lb.		: .35
ZINC, METAL, high grade, slabs			
c/l NY.....	100 lb.		: 8.25
Common Slabs, c/l NY.....	100 lb.	8.17 <sup>1/2</sup>	: 8.20
Mossy, 25 lb. bbls.....	lb.		: .14
ammonium Chloride, powd., 400 lb. bbls.	lb.		: .07 <sup>1/2</sup>
Carb. tech. 150 lb. kegs NY.....	lb.		: .20
USP, 100 lb. kegs.....	lb.		: .33
Chloride, fused, 600 lb. drs. wks. lb.	lb.		: .06
Dr. c/l wks. lb.	lb.	.04 <sup>1/2</sup>	: .05
Granulated, 500 lb. bbls, wks. lb.	lb.	.07	: .07 <sup>1/2</sup>
Imported, drs. NY.....	lb.	.07	: .07 <sup>1/2</sup>
Solution, 50%, tanks wks. 100 lb.	2.25		: 2.50
USP, 25 lb. jars.....	lb.	.27	: .29
Cyanide, 100 lb. drs.....	lb.	.40	: .41
Dust, 100 lb. tins. wks. lb.	lb.	.09	: .09 <sup>1/2</sup>
500 lb. bbls., kegs, 1c/l wks. lb.	lb.		: .10
500 lb. bbls., kegs, c/l wks. lb.	lb.		: .09 <sup>1/2</sup>
Iodide, 5lb. bota.....	lb.		: 5.28
Nitrate, 25 lb. jars.....	lb.		: .45
Oxide, Amer. 300 lb. bbls. wks. lb.	lb.	.08 <sup>1/2</sup>	: .08 <sup>1/2</sup>
French, 300 lb. bbls. wks. lb.	lb.	.10 <sup>1/2</sup>	: .12 <sup>1/2</sup>
Bbl. c/l wks. ....	lb.	.09 <sup>1/2</sup>	: .11 <sup>1/2</sup>
Bags, c/l wks. ....	lb.	.09 <sup>1/2</sup>	: .10 <sup>1/2</sup>
USP, 100 lb. bbls. c/l.....	lb.		: .17
Ton lots, wks.....	lb.		: .18
Imported, white seal, bbls. lb.	lb.		: .12
Green seal, bbls. ....	lb.		: .10
USP 100 lb. bbls. ....	lb.	.15 <sup>1/2</sup>	: .16
Stearate, USP, 50 lb. bbls. ....	lb.	.20 <sup>1/2</sup>	: .21
Sulfate, 400 lb. bbls., wks. ....	lb.	.03 <sup>1/2</sup>	: .03 <sup>1/2</sup>
Bbls., c/l wks. ....	lb.		: .08
USP, 100 lb. kegs.....	lb.	.08	: .09
Sulfide, 500 lb. bbls. ....	lb.	.30	: .33
Sulfocarbonate, 100 lb. kegs. ....	lb.	.32	: .35
wks. ....	100 lb.	1.25	: 1.75

## Oils

Castor, No. 1, 400 lb. bbls.....	lb.	.17 <sup>1/2</sup>	: .18
80 lb. cases.....	lb.		: .18 <sup>1/2</sup>
No. 3, bbls. ....	lb.	.17	: .17 <sup>1/2</sup>
Blown, 400 lb. bbls.....	lb.		: .19
China Wood, bbls., spot NY.....	lb.	.15 <sup>1/2</sup>	: .15 <sup>1/2</sup>
Tanks, Spot, NY.....	lb.		: .15 <sup>1/2</sup>
Jan. forw. arr. NY bbls.....	lb.	.15 <sup>1/2</sup>	: .15 <sup>1/2</sup>
Cst. tks., Jan. forw.....	lb.	.13 <sup>1/2</sup>	: .13 <sup>1/2</sup>
Coconut Ceylon, 375 lb. bbls., NY. lb.	lb.	.11 <sup>1/2</sup>	: .11 <sup>1/2</sup>
8000 gal. tanks. NY.....	lb.	.10 <sup>1/2</sup>	: .10 <sup>1/2</sup>
Cochin, 375 lb. bbls., NY. ....	lb.	.12	: .12 <sup>1/2</sup>
Tanks, NY.....	lb.		: .11 <sup>1/2</sup>
Manila, tanks, P. Coast.....	lb.		: .09 <sup>1/2</sup>
Manila, tanks, NY.....	lb.		: .10
Edible, bbls., NY.....	lb.	.12 <sup>1/2</sup>	: .13
Cod Newfoundland, 50 gal. bbls. gal.	lb.	.58	: .60
Tanks, NY.....	gal.	.55	: .56
Cod Liver, see Cod Liver Oil under Chemicals			
Copa, bags.....	lb.	.06	: .06 <sup>1/2</sup>
Corn, ref. 375 lb. bbls., NY.....	lb.	.14	: .14 <sup>1/2</sup>
Crude, tanks, mills.....	lb.	.10 <sup>1/2</sup>	: .10 <sup>1/2</sup>
Bbls., NY.....	lb.		: .12
Cottonseed, crude, tks., mill.....	lb.	.09 <sup>1/2</sup>	: .09 <sup>1/2</sup>
P. S. Y., 100 bbls., NY.....	lb.	.11 <sup>1/2</sup>	: .11 <sup>1/2</sup>
White, 100 bbls. lots, NY.....	lb.		: .11 <sup>1/2</sup>
Winter yellow, 100 bbls., NY. ....	lb.	.13 <sup>1/2</sup>	: .14
Degras, Amer. 50 gal. bbls., NY. ....	lb.	.04 <sup>1/2</sup>	: .04 <sup>1/2</sup>
English, Light, bbls., NY.....	lb.		: .05 <sup>1/2</sup>
Brown, bbls., NY.....	lb.	.04	: .04 <sup>1/2</sup>
Light brown, bbls., NY. ....	lb.	.04 <sup>1/2</sup>	: .05
Dark, bbls., NY.....	lb.	.03 <sup>1/2</sup>	: .04
Neutral, bbls., NY.....	lb.	.10	: Nom.
Mellon, bbls., NY.....	gal.		: .50
Greases, choice white, bbls. NY.....	lb.	.12 <sup>1/2</sup>	: .14
Yellow.....	lb.		: .09 <sup>1/2</sup>
Brown.....	lb.	.09	: .09 <sup>1/2</sup>
House.....	lb.		: .09 <sup>1/2</sup>
Bone naphtha.....	lb.		: .07

## CALCIUM NITRATE

Norwegian

## WHITE ARSENIC 99%

Wheat Jewell & Marytavy Mines, Ltd.,  
Devon, England

## CRESYLIC ACID

## PYRIDINE

## PHENOL

## NAPHTHALENE

Jas. Miller Son &amp; Co., Ltd., Glasgow

## SODIUM CYANIDE

Stanley Smith & Co., London  
(Ocean Chemical Co.)Inquiries Solicited  
Sole Agents in U. S. A.AMERICAN-BRITISH  
CHEMICAL SUPPLIES, Inc.

15 EAST 26th ST.

NEW YORK

Room 1505  
Telephone: Madison Square 3312

## OILS

Bearing, Tank, Coast	gal	...	...	Palm Kernel, bbls., NY	lb	...	10%
Bone, 375 lb bbls., NY	b	...	...	Peanut, refined, bbls., NY	lb	...	16
Lard, prime, steam, bbls.	b	15%	.16	Crude, mill buyer, tins	lb	...	11%
Compounds, bals.	b	...	.13	Crude, bbls., NY	lb	...	11%
LARD OIL, Edible, prime, bbls.	b	...	.18%	Perilla, bbls., NY	lb	...	.15
Off prime, bbls.	b	...	.18%	Peppermint, bals., NY	gal	1.25	2.50
Extra, bbls.	b	...	.16%	Hempseed, refined, bbls., NY	gal	...	.97
Extra, No. 1, bbls.	b	...	.14%	Blown, bbls., NY	gal	...	1.11
No. 1, bbls.	b	...	.14%	Red Oil, distilled, bbls.	lb	...	11%
No. 2, bbls.	b	...	.13%	Saponified, bbls.	lb	...	11%
LINSEED, raw c/l bbls., spot, gal	...	1.15		Tanks	lb	...	.11
Five bbls., raw	gal	...	1.19	Salmon, 8000 gal, the Coast	gal	...	...
Boiled, 5 bbl. lots	gal	...	1.21	Sesame, edible, bbls., Jan forw. arr. lb	...	15%	...
Double Boiled, 5 bbl. lots	gal	...	1.22	Sod Oil, bbls., NY	gal	...	.40
Raw, 1/2 bbls.	gal	...	1.11	SOYA BEAN, crude, tka., Coast	lb	...	11%
Tanks	gal	...	1.09	Crude, tka., NY	lb	...	12%
Jan., Feb., c/l wks.	gal	...	1.15	Crude, bbls., NY, Jan forw. arr. lb	13%	14%	...
Mar., Apr., c/l wks.	gal	...	1.16	Refined, bbls., NY	lb	...	.14
May-June, c/l wks.	gal	...	1.17	Sperm, 38° e.t. bldhd. bbls., NY, gal	...	.89	
Imported, bbls., NY	gal	...	...	45° cold test, bldhd. bbls., NY, gal	...	.87	
Tanks, NY	gal	...	...	STEARIC ACID, s.p. 200 lb bags	lb	...	.13
Methiodine, crude, bbls., wks.	b	...	...	Double pressed, bags	lb	...	.14
Crude, tanks, Balt.	b	...	...	Double pressed bags, saponified	lb	...	.14
Light strained, bbls., NY	gal	.75	.77	Triple pressed, bags, distilled	lb	...	.16
Yellow, bleached, bbls., NY	gal	.78	.86	Searine, oleo, bbls.	lb	11%	11%
Extra, bleached, bbls., NY	gal	.80	.82	Tallow, edible, tallow	lb	11%	11%
Blown, bbls., NY	b	...	.11	City, extra, loose	lb	...	10%
Neatsfoot, 20° c.t. bbls., NY	b	...	.18%	Tallow Oil, acidized, tka., NY	lb	...	.12
Pure, bbls., NY	b	...	.15%	Bbls., c/l NY	lb	...	18%
Extra, bbls., NY	b	...	.14%	Walnut, crude, bbls., NY	lb	—	—
No. 1, bbls., NY	b	...	.14%	Whale, nat winter, bbls., NY	gal	...	.77
Olive Oil, No. 1, bbls., NY	b	15%	.16	Richd. winter bbls., NY	gal	...	.81
No. 2, bbls., NY	b	14%	.15	Extra Richd. bbls., NY	gal	...	.83
No. 3, bbls., NY	b	...	.13%	Crude, No. 1, tanks Coast	gal	...	...
OLIVE, dematured bbls., NY	gal	1.30	1.85	Crude, No. 2, tanks Coast	gal	...	...
Edible, bbls., NY	gal	2.15	2.25	Crude, No. 3, tanks Coast	gal	...	...
Foots, bbls., NY	b	...	.10	Crude, No. 1, tanks Coast	gal	...	...
Shipments new crop	b	...	.09%	Crude, No. 2, tanks Coast	gal	...	...
Palm Lager, 1500 lb casks	b	.10	.10%	Crude, No. 3, tanks Coast	gal	...	...
Niger casks	b	.09	.09%	Crude, No. 1, tanks Coast	gal	...	...
Bonny old Calabar, casks	b	...	...	Crude, No. 2, tanks Coast	gal	...	...

## Crude Drugs

Acetoceras Gum, yel.	lb	.18	.20
AGNITE LEAVES, baled	lb	.10	.12
Root, USP, bags	lb	.33	.35
Agar Agar, 1, 200 lb baled	lb	1.55	1.60
No. 2, bales	lb	...	1.50
No. 3, bales	lb	...	1.35
Agaric, white, cases	lb	2.75	3.00
Almonds, bitter, bags bxs	lb	.60	.65
Sweet, bags	lb	.54	.57
Meal, tim, boxes	lb	.24	.26
Aletrois Root, bags	lb	.42	.44
Alkanet Root, bags	lb	.08	.09
Alow, Barbados, 120 lb bbls.	lb	.65	.70
Cape, 400 lb cases	lb	.08%	.09
Curacao, 100 lb cases	lb	10%	.11
Socotrine, whole, 100 lb es.	lb	.25	.30
Select, cakes, lb	lb	.35	.37
Althaea Root, cut cases	lb	.45	.47
Whole, bags	lb	.11	.13
Ambergris, black, boxes	oz	8.00	10.00
Grey, boxes	oz	...	25.00
Ammomiae, tears, bags	lb	.68	.73
Angelica Root, dom. bags	lb	.12	.13
Angostura Bark, bags	lb	...	...
Atmos; Levant bags	lb	.15	.16
Russian, bags	lb	.13	.14
Star, cases	lb	.11	.11%
Spanish, bags	lb	.15	.15%
Annatto Seed, 200 lb bags	lb	.21	.22
ARABIC GUM			
White, No. 1, 200 lb bags	lb	.26	.27
Seconds, 250 lb bags	lb	.24	.25
Sorts, amber, 200 bgs. bbls.	lb	.13	.13%
Powd., USP, 300 lb bbls.	lb	.18	.20
Areca Nuts, 150 lb bags	lb	.23	.24
Powd., 200 lb bbls.	lb	.25	.23
Arnica Flowers, bales	lb	.10	.11
Root, bags	lb	.25	.30

## CRESYLIC ACID ALL GRADES

Benzol, Toluol, Solvent Naphtha  
Coal Tar Products, Disinfectants.

## Selling Agents for

## ACETATES

Amyl, Ethyl, Butyl

## IODIDES

Potassium, Ammonium and Sodium

Manufactured by

Witbeck Chemical Corporation

Jordan Coal Tar Products Co., Inc.

13 Cliff St. New York Beekman 1738

Works: Matawan, N. J.

## J.L.PHILIPPEAU

## SODIUM BISULPHITE

246 WATER ST. NEW YORK

Pure U. S. P. Cologne Spirits

## ALCOHOL

Also Denatured in All Formulae

Spot Stocks Carried  
in 10 Large Cities

Guaranteed Prompt Deliveries

The Federal Products Co.

INCORPORATED

CINCINNATI, OHIO, U. S. A.



## Crude Drugs

Arrowroot, Amer., powd. bbls....	lb .10%	.11	Buckthorn Bark, bags.....	lb .05	: .05%	Cassia Buds, 66 lb cases.....	lb .12%	: .13
St. Vincent, powd. bbls....	lb .13	: .14	Burdock Root, bags.....	lb .13	: .15	China, Whole Rolls, cases.....	lb .07%	: .08
Aniseed, USP, 250 lb cases....	lb .23	: .25	Burgundy Pitch, dom., 110 lb stands	lb .		Salmon, assort. bales.....	lb .30	: .31
Powd., 50 lb bxs....	lb .40	: .42	Gross for net.....	lb .		Cassia Fistula, baskets.....	lb .09	: .10
<b>BALSAM BUDS, bags....</b>	<b>lb .45</b>	<b>: .50</b>	Calabar Beans, bags.....	lb .		Castile Soap, USP, powd., 200 lb	lb .	
Balsam Herbs, bales.....	lb .		Calamus Root, bleached cases....	lb .33	: .35	bbls.....	lb .27	: .28
<b>BALSAMS</b>	<b>Calamus, true Imp., bags....</b>	<b>lb .06</b>	Unbleached, bags.....	lb .06	: .07	Castor Beans, bags.....	lb .03	: .03%
Copalina, Para, 80 lb cs....	lb .43	: .45	Calendula Petals, imp., bales....	lb .22	: .24	Castoreum, 1 lb bot.....	lb .400	: .450
South American, 80 lb cs....	lb .46	: .48	Calisaya Bark, bales, powd....	lb .25	: .26	Catechu Gum, bags.....	lb .11	: .12
Fir Canada, cases.....	lb 11.00	: 11.50	Camphor, see Chemicals	lb .		Catnip Herb, bales.....	lb .35	: .39
Oregon, bbls, cans.....	lb 1.00	: 1.10	Canary Seed, Morocco bags.....	lb .07%	: .08	Celery Seed, bales.....	lb .30	: .30%
Peru, 120 lb cases....	lb 2.00	: 2.10	South American, bags.....	lb .07	: .07%	Ceratin Wax, white bags.....	lb .10%	: .11
Tolu, 120 lb cases....	lb 1.70	: 1.80	Candellia Wax, bags.....	lb .32	: .34	Yellow, 200 lb bags.....	lb .09	: .10
<b>BAMBOO BRIER Root, bags....</b>	<b>lb .05%</b>	<b>.06</b>	Candelilla Alba Bark, bales....	lb .55	: .55	<b>CHAMOMILE FLOWERS, Roman</b>		
Barberry Bark, tree bales....	lb .11	: .13	Cannabis, true Imp., bags....	lb .		cases, bales.....	lb .20	: .25
Root, bags....	lb .		American (no assay) bales....	lb .35	: .40	Hung, cases bales.....	lb .06	: .06%
Bayberry Bark, bales....	lb .10	: .13	USP.....	lb .50	: .70	Charcoal Willow, powd. bbls....	lb .06	: .06%
Wax, bbls....	lb .21	: .22	Cantharides, Chinese cases.....	lb .95	: 1.00	Wood, powd. bbls.....	lb .04	: .05
Belladonna Leaves, bales....	lb .27	: .28	Powdered, boxes.....	lb 1.15	: 1.20	Chestnut Bark, bags.....	lb .07	: .08
Knot, bags....	lb .14	: .15	Cantharides, Russian, cases.....	lb .85	: .90	Herb, bales.....	lb .06	: .06%
Bee Wax, white cases....	lb .45	: .50	Powdered, boxes.....	lb 1.00	: 1.10	Chicis Gum, bags.....	lb .82	: .85
Yellow, refined cases....	lb .35	: .38	Caraway Seed, African, bags....	lb .10	: 10 1/4	Chittrea, bales.....	lb .10	: .12
Crude, bags....	lb .28	: .30	Dutch, 11 lb bags.....	lb .10 1/4	: 10 1/4	Cinchona Bark, red quills bales....	lb .60	: .70
Bennion Gum, Siam, boxes....	lb 1.30	: 1.35	Green, grinding bags.....	lb 1.65	: 1.75	Broken bales.....	lb .25	: .27
Sumatra, 80 lb boxes....	lb .25	: .27	Cardamom, bleached, cases.....	lb 2.00	: 2.40	Cinnamon, Ceylon, No. 1, bales....	lb .41	: .42
Berberis Aquifolium Root, bags....	lb .14	: .15	Decorated, cases.....	lb 2.25	: 2.55	No. 2, bales.....	lb .38	: .39
Beta Root, bags....	lb .28	: .30	Green, grinding bags.....	lb .		Civet, Abyssin horns.....	lb .275	: 3.75
Bitter Root, 100 lb bags....	lb .40	: .42	Carmambu Wax, Flax, bags....	lb .38	: .42	Clover Tops, bags.....	lb .17	: .18
Blackhawk Bark, root, bales....	lb .33	: .34	No. 1 N County bags....	lb .34	: .36	Cloves, Zanzibar, 155 lb bales....	lb .29 1/2	: .39
Tire, bales....	lb .15	: .16	No. 2 N County bags....	lb .28	: .30	Amboyna bales.....	lb .30	: .31
Blood Root, bags....	lb .14	: .15	No. 3 Fatty Gray, bags....	lb .22	: .23	Penang, bales.....	lb .40	: .42
Bindig Root, bags....	lb .30	: .32	No. 3 Chalky, bags....	lb .22	: .23	Cochineal, USP, boxes.....	lb .45	: .47
Bolus Leaves, bales....	lb .20	: .21	Cascara Amarga, 150 lb bales....	lb 1.25	: 1.50	Coca Leaves, Huancayo bags....	lb .	
Boswell Herb, bales....	lb .08	: .09	So-called, bales.....	lb .50	: .52	Truxillo, bags.....	lb .	
Borage Flowers, bales....	lb .17	: .20	Cascara Sagrada, bales, 1920-22	lb .		Cohosh Root, Black bags....	lb .08	: .08%
Eryngia Root, bags....	lb .10	: .11	bark.....	lb .26	: .28	Blue, bags.....	lb .10	: 10%
Black Indian Root, 100 lb bags....	lb .40	: .42	1923 bark.....	lb .21	: .24	Calcium Chloride, Root, bags....	lb .07	: .08
<b>BUCHU LEAVES, short, 250 lb</b>	<b>bales....</b>	<b>lb .80</b>	1924 bark.....	lb .14 1/4	<b>: .15</b>	Seed, bags.....	lb .17	: .19
bales.....	lb .85	: .88	Cascaria Bark, quills bales....	lb .		Colocynth, apples, cases, bales....	lb .	
Long, bales.....	lb .		Siftings, bbls....	lb .		Pulp, USP, bales.....	lb .28	: .30

# "THREE ELEPHANT" BORAX 99.5% Pure

Let us protect you on both quality and price. Analysis supplied with every shipment. We will be glad to quote you. Write us today.



## AMERICAN TRONA CORP.

Woolworth Building, New York City



**ARSENIC—CRUDE AND REFINED**  
**C. D. No. 5 ALCOHOL, 188 PROOF**  
**FUSEL OIL—CRUDE**  
**BISULPHATE OF QUININE**  
**IMPORTED PYRIDINE**  
(Government Specifications)

51 Chambers Street  
NEW YORK CITY

## ISO PROPANOL

[Isopropyl Alcohol]

Newport Chemical Works, Inc.  
PASSAIC, NEW JERSEY

## POTASSIUM PERMANGANATE U.S.P.

Large Crystals  
Medium Crystals  
Small Crystals

Special quality for tablet makers. Technical for fumigation, deodorizing, etc.

## Carus Chemical Company, Inc.

La Salle, Illinois

PRICES CURRENT SECTION

## Crude Drugs

Colombo Root, whole bags	lb .08	: .03%	Elecampane Root, bags	lb .09	: .10	Guaiacum Gum, 80 lb cases	lb .42	: .44
Coltsfoot Leaves, bags	lb .05	: .06	Elder Flowers, bags	lb .11	: .14	Guarana, tins, cases	lb .60	: .65
Comfrey Root, bags	lb .13	: .14	Elm Gum, 89 lb cases	lb .10	: .11	GUM, see Arabic Gum, etc.		
Condurango Bark, bales	lb .12	: .14	Elm Bark, select 5 lb bundles cases	lb .27	: .28	HELLEBORE ROOT,		
Condurango Seeds, bags	lb .13	: .14	Grinding, bags	lb .15	: .16	Black, bbls.	lb .08	: .10
Copasiba Balsam Para, see Balsams			Powdered	lb .23	: .25	Powdered	lb .15	: .17
Copal Gum	lb .13	: .13	ERGOT, 150-200 lb bags	lb .60	: .65	White, Powd., 250 lb bbls.	lb .11	: .12
Coriander Seed, Bombay bags	lb .06	: .06%	Euphorbia Pilularia Herb, bags	lb .10	: .11	Heilonias Root, (unicorn false)		
Morocco, bags	lb .07	: .07%	Euphorbium Gum, cases	lb .25	: .27	bags	lb .67	: .68
Bleached, bags	lb .10	: .11	Powdered, boxes	lb .40	: .42	Hemp Seed, Manchurian bags	lb .04%	: .05
Corn Silk, bales	lb .04%	: .05%	Fennel Seed, French, bags	lb .10%	: .11	Chilian, bags	lb .04%	: .05
Cotton Root Bark, bales	lb .12	: .14	German, bags	lb .15	: .17	Henbane Leaves, bales, USP	lb .28	: .35
Cowhage, or, tins	oz .55		Indian, bags	lb .09	: .09%	No assay	lb .26	: .27
Cramp Bark, so-called bales	lb .07	: .08	Flax Seed, whole 180 lb bbls.	ea 18.00	: 18.50	Henna Leaves, bales	lb .09%	: .10
True, bags	lb .30	: .32	Ground, 180 lb bbls.	lb .07%	: .08	Powdered	lb .12	: .13
Cransbill Root, bags	lb .16	: .18	Fenugreen Seed, 200 lb bags	lb .05	: .05%	Honey, Calif., 120 lb cases	lb .11	: .12
CUBEB BERRIES, XX bags	lb .60	: .65	Fish Berries, 100-125 lb bags	lb .08%	: .09	Hops, N. Y. prime bales	lb .28	: .30
Powdered, boxes	lb .63	: .65	Fringing Tree Bark, bags	lb .20	: .21	Pacific Coast prime bales	lb .25	: .27
Culvers Root, bags	lb .23	: .23	Fumigating Pastilles Black, 1 lb			Horehound Herb, bales	lb .09	: .10
Cusin Seed, Levant bags	lb .20	: .22	box			Horsetail Rush, bags	lb .08	: .10
Malta, bags	lb .18	: .18%	Red, 1 lb. bxs.			Indian Gum, see Karaya		
Morocco, bags	lb .18	: .18%	lb.			INSECT FLOWERS, open whole		
Cuttlefish Bone, Trieste, straps	lb .12	: .13	Red, 1 lb. bxs.			Bales	lb .38	: .40
Jewelers, large, straps	lb .08	: .50	Closed whole, bales	lb .40	: .43	Powdered, pure 200 lb bbls	lb .45	: .47
Small, straps	lb .08	: .35	Flowers and Stems, 50 p.c.			200 lb bbls.	lb .80	: .82
French straps	lb .12	: .13	Powdered, cases			Ipecac Root, Cartagena, bags	lb .21.5	: .22.0
Powdered, boxes	lb .13	: .14	Gelatinum Root, bags	lb .11	: .11%	Powdered, 200 lb bbls.	lb .23.5	: .24.5
Broken, boxes	lb .07		Gentian Root, bags	lb .08%	: .09	Rio Whole, bags	lb .21.5	: .22.5
Dammar Gum, 130 lb cases	lb .27	: .28	Powdered, bags	lb .15	: .14	Powdered, 200 lb bbls.	lb .23.5	: .24.5
Damiana Leaves, bales	lb .40	: .45	Ginger, African, bags	lb .20	: .20%	Isinglass, American, 130 lb cs.	lb .75	: .80
Dandelion Root, Imp., bags	lb .24	: .25	Jamaica, grinding, bags, bbls	lb .28	: .32	Kundan (Beluga) bxs. etns.	lb .40.00	: .45.00
Deer Tongue Leaves, bales	lb .09	: .09%	Japan, bags	lb .18%	: .17	JABORANDI LEAVES, bales	lb .10	: .10%
Digitalis Leaves, bales	lb .09	: .10	Cochin, ABC & Lemon, bags	lb .21%	: .22	Powdered	lb .29	: .35
Dill Seed, bags	lb .06	: .07	Ginseng Root, cultivated, bags	lb 8.00	: 10.00	Japan Wax, White, bags	lb .34	: .38
Dogwood Bark, Jamica bags	lb .10	: .11	Northern Wild, bags	lb 12.00	: 14.00	Powdered, USP, 250 lb bbls.	lb .15%	: .18
American, bales	lb .07	: .08	Southern Wild, bags	lb 9.00	: 11.00	Juniper Berries, 125 lb bags	lb .05%	: .08
Doggrass Root, U.S.P., cut bags	lb .10	: .11	Powdered, boxes	lb 4.00	: 4.10	KAMALA, boxes	lb 1.05	: 1.10
Dragons Blood, mass cases	lb .65	: .70	Grains of Paradise, bags	lb .15	: .16	Karaya Gum, powdered, bbls.	lb .10	: .10
Reeds, boxes	lb .75	: .80	Grindelia Robusta Herb, bales	lb .07%	: .08%			
ECHINACEA ROOT, bags	lb .81	: .33						

## MAGNESIA

Magnesium Carbonate  
U. S. P. and All Technical Grades

## Milk of Magnesia

In Bulk Especially for Repacking

U. S. By-Product Chlorides Co.  
11913 Lake Avenue  
CLEVELAND, OHIO

## STERLING BRAND

## BORAX AND BORACIC ACID

Fifteen years on the Market  
and never a complaint ~

STERLING BORAX COMPANY  
HARRIS TRUST BUILDING  
CHICAGO, U.S.A.

## GEORGE UHE

## BROKERS

NEW YORK

## Coal Tar Disinfectants

Phenol coefficients 2 to 20. Rideal-Walker Test.  
Produce white emulsion free from deposit.  
Phenol coefficients guaranteed.

BAIRD & MCGUIRE, Inc.

Holbrook, Mass.  
P. O. Box 473

St. Louis, Mo.  
1200 Switzer Avenue

## Crude Drugs

Kava Kava Root, bags	lb .12	: .12%	Matico Leaves, bales	lb .12	: .13	Orange Flowers, cases	lb .50	: 1.00
Kia Gum, black cases	lb .50	: .55	Mezereum Bark, bags	lb .11	: .12	Orange Peel, bitter, bags	lb .07%	: .07%
Kia Nuts, 150 lb bags	lb .04%	: .05	Millet Seed, dom. yellow bags	lb .04	: .04½	Sweet, bags	lb .10	: 10%
Kousso Flowers, bags	lb 1.50	: 1.75	Montan Wax, crude bags	lb .05%	: .06	ORRIS ROOT. Florentine bold bags	lb .08	: .09
LADY SLIPPER ROOT, bags	lb .50	: .55	Bleached	lb ...	: ...	Powdered, 200 lb bbls	lb .11	: .12
Laripur Seed, bags	lb 3.00	: 3.50	Moss, Iceland bales	lb .07%	: .08	Verona, bags	lb .07	: .08
Laurel Leaves, bales	lb .05	: .05%	Irish, bleached, bales	lb .09	: .09½	Fingers, cans	lb .50	: .55
Lavender Flowers, ordinary	lb .22	: .24	Selectet, bales	lb .12	: .13	Ozokerite Wax, brown hard bags	lb .23	: .24
Selected	lb .28	: .38	Mullein Flowers, tins	lb .90	: 1.00	green, hard bags	lb .27	: .28
Leches, tube	Per 100	4.00	Musk, pods, Carbadine, tins	lb 16.00	: 17.00	Refined, yellow bags	lb ...	: ...
Lemon Peel, bags	lb .08	: .09	Tongquin	lb 22.00	: 25.00	PAPRIKA, bags	lb .18	: .24
Licorice Root, Russian, whole	lb .07	: .07%	Grain Cab.	lb 25.00	: 26.00	Hungarian	lb .26	: .28
Spanish, natural bales	lb .08%	: .09	Tongquin	lb 35.00	: 38.00	Pareira Brava Root, bags	lb .13	: .14
Powdered, bbls.	lb .09	: .09%	synthetic, see Chemicals			Parsley Seed, bags	lb .09	: .10
Selected, 2 & 5 lb bundles	lb .14	: .17	Musk Root, Russian, bags	lb 1.00	: 2.10	Patchouli, Leaves, bales	lb .16	: .18
Cuttings, 125 lb bags	lb .06	: .06%	Mustard Seed, Bari brown bags	lb .12	: .12½	Penroyal Herb, bales	lb .08	: .12
Greek, 150 lb bales	lb .03	: .03%	Bombay, brown	lb .09	: .10	Pepper, black Sling, bags	lb .18%	: .14%
Life Everlasting Herbs, bales	lb .05	: .06	California, brown	lb .11%	: .11½	White, bags	lb .18%	: .19
Lime Juice, clarified bbls., gal	lb .60	: .65	Yellow	lb ...	: .11½	Peppers, red Mombasa, bags	lb .10%	: .11
Linden Flowers, with leaves, bales	lb .10	: .11	Chinese yellow	lb .06	: .06½	Cherries, bags	lb .14	: .16
Without Leaves, bales	lb .17	: .18	English, yellow	lb .09%	: .10	Bombay, bags	lb .12	: .14
Liverwort Leaves, bales	lb .19	: .20	Dutch, yellow	lb .08%	: .08½	Japan, bags	lb .23	: .24
Lobelia Herba bales	lb .40	: .42	Danish, yellow	lb .08%	: .09	Peppermint Leaves, imp. bales	lb .23	: .24
Lobelia Seed, bags	lb .62	: .65	Myrrh Gum, select 200 lb c.	lb .24	: .26	Cuts, balm	lb .13	: .14
Lorage Root, Imported, bags	lb .18	: .20	Sorts, cases	lb .20	: .23	Domestic leaf	lb .18	: .19
Lopulin, tine	lb 1.55	: 1.60	SUTGALLS, Chinese, bags	lb .17	: .18	Peru Balsam, see Balsams		
Lycopodium, 88 lb c.	lb .95	: 1.10	Aleppy, bags	lb .14	: .15	Pichi Leaves, bags	lb .23	: .25
MACE, Riauw, No. 1	lb .87	: .90	Nutmegs, 110s cases	lb .55	: .57	Pimento, select bags	lb .08	: .08½
Randa, No. 1 cases	lb .92	: .94	75s, 80s, cases	lb .59	: .61	Pink Root, true bags	lb .80	: .85
Batavia, No. 2 cases	lb ...		Nux Vomica Buttons, bags	lb .05	: .05%	Pitch, Burgundy, see Burgundy Pitch		
West. India, cases	lb .75	: .77	Powdered, 200 lb bbls.	lb .08	: .09	Plantain Leaves, bales	lb ...	: .15
Mava Flowers, blue bales	lb .35	: .37	SAK BARK, red bags	lb .05	: .06	Pleurisy Root, bags	lb ...	: .22
Black, bales	lb .55	: .60	White, bags	lb .06	: .07	Poke Berries, bags	lb ...	: .15
Manna, large flake cases	lb .82	: .85	Glibanum Gum, sift 250 lb cases	lb .11	: .11½	Poke Root, bags	lb .10	: .10½
Small flake cases	lb .45	: .48	Tears, 280 lb cases	lb .11	: .11½	Pomegranate Bark, of root bags	lb ...	: .30
Sorts, cases	lb ...	: .36	No. 1, all white 280 lb cases	lb .22	: .23	Of Fruit, bags	lb ...	: .30
Mandrake Root, bags	lb .11	: .12	cases	lb 12.00	: 13.00	Of Tree	lb ...	: .30
Marjoram Leaves, German, bales	lb .29	: .31	Opium, gum, USP, cases	lb 18.00	: 14.00	Poppy Flowers, red bags	lb .25	: ...
French, bales	lb .40	: .45	Granular, cans	lb 13.00	: 14.00			
Mastic Gum, 120 lb cans	lb .55	: .57	Powdered, USP, cans					



"The Purity of 20 Mule Team Borax Products is Never Questioned."

Send for our booklet

**BORIC OXIDE**  
in  
**GLASS**

It contains valuable information for glass makers and will be sent gratis on request.

**Pacific Coast Borax Co.**

100 William Street, New York  
Chicago Los Angeles

**Chemical Works "Naarden" Ltd.**

**SYNTHETIC MENTHOL**

**NAARDEN (Holland)**

Cable Address: CHEMISCHE-BUSSUM  
P. B. 2 Bussum (Holland)

**M. E. PROFFITT**

**Southern  
Essential Oils**

**1918**

**U. S. P.**  
—  
My Specialty  
Oil of  
Wintergreen  
(Gaultheria)

**Roots and Herbs**

**Proffitt**

**Ginseng and  
Beeswax**

**1925**

Johnson City

Tenn.

We offer for PROMPT delivery

**QUICKSILVER**

(IN ORIGINAL BOTTLES)

**ALL MERCURIAL SALTS  
AMMONIUM PERSULPHATE 98% PURE  
ROCHELLE SALTS  
STRYCHNINE  
FINE CHEMICALS, etc.**

**MAY & BAKER, Ltd.**  
Manufacturing Chemists and Exporters  
**BATTERSEA, LONDON** ENGLAND  
Cable Address: BISMUTH, LONDON

PRICES CURRENT SECTION

## Crude Drugs

Poppy seeds, Dutch, bags	lb .10%	.11	Savory Leaves, bales	lb .08	.08%	Spruce Gum, boxes	lb 1.00	1.50
German, bags	lb .10%	.11	Raw Palmetto Berries, bags	lb .08%	.09	Squaw Vine, bales	lb .18	.20
Turkish, bags	lb .09%	.10	Seammony Resin, bags	lb 1.20	1.30	Squills, white	lb .05	.06
Blue Indian, bags	lb .08	...	Seammony Root, bags	lb .06%	.07	Powdered, bulk	lb .12	.14
White Indian, bags	lb .08	.08%	Seneca Root, bags	lb .58	.59	Stavesacre Seed, bags	lb .08	...
Prickly Ash Bark, Southern, bags	lb .28	.28	SENNNA, Alex 150lb cases	lb .21	.23	Sticklac, Siam, 250lb bales	lb .46	.48
Northern, bags	lb .14	.16	Sifting, 400lb bags	lb .18	.18	Stillingia Root, bags	lb .11%	.12
Prickly Ash Berries, bags	lb .14	.16	Powdered, 200lb bales	lb .14	.14%	Stone Root, bags	lb .09	.10
Prince's Pine, bales	lb .25	.30	Timewell, Job 350lb bales	lb .11	.14%	Styrax, liquid artif.	lb .45	.60
Pulmilla Herb, bags	lb .16	.18	Grinding, 350lb bales	lb .08	.07	Gen. USP	lb .65	.75
Pumpkin Seed, bags	lb .14	.16	Powdered, 200lb bales	lb .14	.14%	St. Ignatius Beans, bags	lb .12	.13
QUASSIA CHIPS, bags	lb .07	.07%	Pods, 350lb bales	lb .13	.14	St. John's Bread, bags	lb .08	.08
Queen of the Meadow Herb, bags	lb .08	.08	Serpentaria Root, bags	lb .82	.84	Stramonium Leaves, bales	lb .07%	.08
Quince Seed, bags	lb .78	.90	Shellac, D.C., bags	lb .82	.83	Stramonium Seed, bags	lb .12	.13
RAPE SEED, South Amer., bags	lb .06	.06%	V.S.O. bags	lb .82	.83	Strophantium Seed, Hispidus	lb .50	.60
Dutch, bags	lb .07	.07%	Diamond I, bags	lb .82	.83	Kombe, bags	lb .55	.65
Japanese, small, bags	lb .06	.06%	Superfine, Orange, bags	lb .67	.69	Sunflower Seed, domestic bags	lb .06	.06%
Raspberries, dried boxes	lb .56	.60	Fine, bags	lb .66	.68	South American bags	lb .05	.05%
Red Sanderson	lb .17	.19	T.N., bags	lb .62	.64	TAGALDER BARK, bags	lb .05	.06
Rhatany Root, bags	lb .09	.10	Garnet, A. C.	lb .61	.63	Tamarinds, bales	lb .05	.05%
RHUBARB, Root, H.D., cases	lb .36	.36	Button bags	lb .79	.81	Kegs	per kg	3.50
Powdered, 200lb bags	lb .42	.44	Bleached, ground, bals.	lb .61	.63	Tansy Herb, bales	lb .18	.19
Rosemary Leaves, bales	lb .04%	.05	Sideritis Herb, cut bags	lb .15	.18	Tar, Barbados, 50 gal. bals.	lb 1.40	1.50
Rosmarin Flowers, cases bales	lb .35	.38	Simaruba Bark, bales	lb .07	.08	Thus Gum, 280lb bales	lb .07%	.08
Rose Petals, pale	lb .27	.30	Shallot Leaves, Eastern, bales	lb .86	.70	Thyme, Spanish bales	lb .08	.08%
Red	lb .95	1.00	Western, bales	lb .34	.38	French, bales	lb .11	.11%
Rue Herb, bales	lb .18	.22	Sloe Berries, bags	lb .08	.04	Tilia, see Linden		
SABADILLA SEED, bags	lb .15%	.15	Snake Root, Canada natural, bags	lb .35	.37	Tolu Balsam, see Balsams		
Powder, bals.	lb .18	.19	Stripped, bags	lb .50	.55	Tonge Bark, bags	lb .27	.29
Saffron Flowers, Amer. bales	lb .60	.64	SOAP BARK, whole, 150-200lb	lb .10	.11	Tonka Beans, Angostura, cases	lb 2.15	2.35
Valencia, 1lb cans	42.00	44.00	bales	lb .10	.11	Para, cases	lb .90	1.00
Sage, Dalmatian bales	lb .05	.05%	Cut, 125-175lb bags	lb .10%	.11	Surinam, cases	lb .00	...
Greek, bales	lb .04%	.05	Crushed, 200lb bals.	lb .11	.12	Tragacanth Gum, No. 1, ribbon		
Spanish, bales	lb .08	.08%	Powdered, 200lb bals.	lb .14	.15	160lb c. 1.15	1.20	
Santalwood, chips bags	lb .17	.18	Spearmint Leaves, American bales	lb .15	.22	No. 2 to No. 6, cases	lb .90	1.18
Ground, bags	lb .21	.22	Spermaceti, blocks, cakes, cases	lb .43	.50	Powdered, 50lb boxes	lb .80	.82
Sandarac Gum, 300lb bals.	lb .44	.46	Spikenard Root, bags	lb .25	.26	Turkish, cases	lb .70	.85
Sarsaparilla Root, Honduras, bales	lb .65	.70						
Mexican	lb .19	.21						
Sassafras Bark, ordinary bales	lb .15	.17						
Select, bales	lb .29	.31						

### ANTIPYRINE (Phenazone U. S. P.)

### AMIDOPYRINE (Pyramidon)

DIMETHYL SULPHATE  
RESORCINOL TECHNICAL  
RESORCINOL U. S. P.  
Crystal or Powdered

### ETHYL CHLORIDE in cylinders

For refrigeration and technical purposes.

### HYDROQUINONE Technical and photographic

### RHODOL (Metol)

### RHODIA CHEMICAL CO.

89 Fulton Street  
New York

Works: New Brunswick, N. J.

### Ethers

(Since '73)

### M. L. BARRETT & CO., Merchants

Essential Oils Fine Chemicals Synthetics Colors

233 WEST LAKE STREET - CHICAGO, ILL.

Established 1873

Cables: Laserno



Essential Oils - Soap Perfume Oils

OIL GERANIUM BOURBON ARTIFICIAL

For Soaps, etc., where price prohibits  
use of the natural oil. Offered at  
about half the price of the true oil.

### COMPAGNIE DUVAL

32 CLIFF ST., NEW YORK  
SOLE AGENTS IN U. S. AND CANADA

FRANZ FRITZSCHE & CO.  
HAMBURG (GERMANY)  
SCHMIDLER & BOMPARD  
GRASSE (FRANCE)

MARIO DE PASQUALE  
MESSINA (ITALY)  
D. M. BAKARDJIEF  
KARLOVO (BULGARIA)

## Essential Oils

### Essential Oils

Turneric Root, Madras bags...	lb .13	: .13 1/2	
Aleppo, bags	lb .11	: .11 1/2	
Powdered	lb .12	: .12	
China, bags	lb .09	: .09 1/2	
Turpentine, Venice, true 80 lb. c.	lb .15	: .16	
Artificial, 80 lb. cases	lb .11	: .12	
Spirits, see Naval Stores			
UNICORN ROOT, false, see Heloni			
True, see Alcritis			
Um Uri Leaves, bales	lb .04 1/2	: .05	
VALERIAN ROOT, Belgian bags	lb .23	: .30	
Vanilla Beans, Mex., whole cases	lb 11.00	: 12.00	
Cuts, cases	lb 9.00	: 9.50	
Bourbon, cases	lb 9.00	: 9.50	
South American, cases	lb .35	: .37	
Tahiti, yellow label cases	lb 7.00	: 7.50	
Green Label, cases	lb .35	: .37	
Vetiver Root, 100 lb. bags	lb .25	: .26	
Violet Flowers, bags	lb .80	: .95	
WAHOO BARK, of root bags	lb .86	: .90	
Of Tree, bags	lb .35	: .37	
White Pine Bark, rossed, bags	lb .07 1/2	: .08	
White Poplar Bark, bags	lb .06	: .07	
Wild Cherry Bark, thin green			
Rosered, bales	lb .12	: .13	
Thick Rosered, bales	lb .08	: .09	
Thin Natural, bales	lb .09	: .09 1/2	
Thick Natural, bales	lb .05	: .06	
Willow, bark bags	lb .06	: .06	
White, bags	lb .15	: .15	
Witch Hazel Bark, bags	lb .07	: .08	
Witch Hazel Leaves, bales	lb .07 1/2	: .08	
Worm Seed, American bags	lb .08 1/2	: .09	
Levant, bags	lb 3.75	: 4.00	
Wormwood Herb, imported bales	lb .10	: .10	
Yucca Gum, red	lb .04	: .04 1/2	
Ground	lb .05 1/2	: .06 1/2	
YELLOW DOCK ROOT, bags	lb .12	: .14	
Yellow Fartilla Root, bags	lb .16	: .17	
Yerba Santa, bags	lb .09	: .09 1/2	
Zedoary Root, bags	lb .11	: .12	
Almond Bitter USP, 5 lb. bot	lb 3.15	: 3.25	
Bitter ff PA 5 lb. bot	lb 3.25	: 3.50	
Sweet, 5 lb. cans	lb .85	: .90	
Peach Kernel, 55 lb. tins	lb .28	: .30	
Apricot, see Peach Kernel			
Amber, crude 25 lb. tins	lb .70	: .75	
Rectified, 25 lb. tins	lb .85	: .90	
Angelica Root, 1 lb. bot	lb 28.00	: 30.00	
ANISE, Tech., 66 lb. case	lb .55	: .57	
USP, 50 lb. tins	lb .60	: .62	
Bay, 25 lb. tins	lb 2.20	: 2.35	
Terpeneless	lb 6.00	: 6.50	
Bergamot, 25 lb. coppers	lb 3.45	: 4.00	
Terpeneless	lb 12.00	: 12.50	
Artificial, 25 lb. cans	lb 2.20	: 2.35	
Birch Tar, rect. 5 lb. bot	lb .75	: .80	
Crude, 50 lb. tins	lb .30	: .50	
Bals de Rose, 25 lb. tins	lb 4.75	: 5.00	
Cade, 25 lb. cans	lb .35	: .40	
Caloput, native, 50 lb. tins	lb .75	: .80	
Calanx, 5 lb. bot	lb 4.20	: 4.65	
Camphor, heavy, 1000 lb. drums	lb .14 1/2	: .15	
Japanese, white, 72 lb. cases	lb .14	: .14 1/2	
White, 1000 lb. drums	lb .13 1/2	: .14	
Cannanga, native, 25 lb. tins	lb 2.00	: 2.25	
Rectified, 25 lb. tins	lb 2.50	: 3.00	
Caraway, USP	lb 2.75	: 2.85	
Carrol, 5 lb. bot.	lb 9.50	: 10.50	
Cascara, USP, 1 lb. bot.	lb 50.00	: 52.00	
CASSIA, 80-85 p.c. 400 lb. drms	lb 2.15	: 2.25	
Redistilled, USP, 50 lb. cans	lb 2.00	: 2.70	
Cedar Leaf, 50 lb. tins	lb .85	: .95	
Cedar Wood, light 100 lb. drums	lb .80	: .85	
Celery, 1 lb. bot.	lb 10.00	: 11.00	
Mustard, USP, 1 lb. bot.	lb ...	: 14.00	
Artif., USP, 1 lb. bot.	lb 2.85	: 3.00	
Neroli, Bigarade, 1/2 & 1 lb. bot.	lb 40.00	: 60.00	
Petale, 1 lb. bot.	lb 90.00	: 120.00	
Artificial, 1 lb. bot.	lb 10.00	: 25.00	
CITRONELLA, Ceylon			
1000 lb. drums	lb .74	: .81	
50 lb. tins	lb .77	: .84	
Java, 400 lb. drums	lb ...	: ...	
50 lb. tins	lb ...	: ...	
Cloves, USP, 50 lb. cans	lb 2.00	: 2.10	
6 lb. bot.	lb 2.10	: 2.20	
Copaiba, USP, 25 lb. tins	lb .42	: .45	
Coriander, USP, 1 lb. bot.	lb 10.75	: 11.00	
Croton, USP, 25 lb. tins	lb .95	: 1.00	
Cubeb, USP, 5 lb. bot.	lb 4.50	: 4.75	
Cumin, 1 lb. bot.	lb 11.00	: 11.50	
Dill, 1 lb. bot.	lb 4.25	: 4.50	
Erigeron, 20 lb. tins	lb 3.75	: 4.00	
EUCALYPTUS, Austl. USP,			
56 lb. cs.	lb .59	: .61	
500 lb. drums	lb .57	: .59	
Fennel, USP, 25 lb. tins	lb .90	: 1.10	
Geranium, Algerian, 25 lb. tins	lb 7.25	: 7.75	
Bourbon, 25 lb. tins	lb 7.00	: 7.50	
Turkish, 25 lb. tins	lb 4.25	: 4.50	
Ginger, 1 lb. bot.	lb 12.00	: 13.00	
Hemlock, 50 lb. cans	lb .82	: .85	
Gingergrass, 28 lb. tins	lb 3.00	: 3.25	
Juniper Berries, USP, 25 lb. tins	lb 1.90	: 2.00	
Woo, 50 lb. tins	lb .50	: .60	
Lavender, USP, 24 lb. tins	lb 5.25	: 7.50	
Spike, Spanish, 50 lb. cans	lb 1.10	: 1.75	
LEMON, Ital. USP, 25 lb. tins	lb .97 1/2	: 1.15	
Terpeneless	lb 10.50	: 11.70	
American, USP, 24 lb. tins	lb .85	: .90	
Lemongrass, native, 50 lb. cans	lb 1.25	: 1.35	
Limes, Express, 25 lb. tins	lb 2.25	: 2.35	
Distilled, 25 lb. tins	lb 1.20	: 1.35	
Linaloe, Mex., 80 lb. cases	lb 3.85	: 4.10	
Mace, distilled, 50 lb. tins	lb 1.50	: 1.60	
Mirbane, ref., see Ar. Chemicals			
Mustard, USP, 1 lb. bot.	lb ...	: 14.00	
Artif., USP, 1 lb. bot.	lb 2.85	: 3.00	
Neroli, Bigarade, 1/2 & 1 lb. bot.	lb 40.00	: 60.00	
Petale, 1 lb. bot.	lb 90.00	: 120.00	
Artificial, 1 lb. bot.	lb 10.00	: 25.00	

## OIL SANDALWOOD

EAST INDIAN

DISTILLED BY THE  
MYSORE  
GOVERNMENT

UNGERER & CO.  
124 West 19th Street  
New York, N. Y.



The Same Since 1768

CHIRIS  
Etablissements Antoine Chiris

Sole Sales Agents for the  
United States and Canada

Morana Incorporated  
118 East 27th Street, New York

Chicago  
19 South LaSalle Street

Toronto  
42 Wellington Street, East

Works  
Elizabeth, New Jersey

PRICES CURRENT SECTION

## Essential Oils

Nutmeg, USP, 25 lb tins	lb 1.50	: 1.60	Vetiver, Bourbon 1 lb bot.	lb 12.00	: 14.00	Linalool, 5 lb bot.	lb 6.00	: 6.25
Orange, bitter, 25 lb tins	lb 2.60	: 2.75	Indian, 1 lb bot.	lb 30.00	: 32.00	From Bois de Rose, 5 lb bot.	lb 7.00	: 7.50
Sweet, W. Ind., 25 lb tins	lb 2.70	: 2.80	Java, 1 lb bot.	lb 20.00	: 22.00	MENTHOL, 60 lb cases	lb	12.25
Italian, 25 lb cans	lb 2.85	: 3.10	WINE, heavy 1 lb bot.	lb	1.50	Less cases, 5 lb cans	lb	12.75
Terpenes,	lb 60.00	: 64.00	WINTERGREEN			Rhodinol, 1 lb bot.	lb 18.00	: 21.00
American, 25 lb tins	lb 2.75	: 2.80	Sweet bch., 25 lb tins	lb 2.50	: 3.00	Extra, 1 lb bot.	lb 40.00	: 47.00
Distilled, 25 lb tins	lb 1.40	: 1.50	Southern, 25 lb tins	lb 1.85	: 2.00	SAFOL, 60 lb cans	lb .45	: .47
Spanish, 25 lb tins	lb 2.80	: 2.90	Gaultheria, true 25 lb tins	lb 7.00	: 8.00	Thymol, USP, 25 lb tins	lb 5.00	: 5.25
ORIGANUM, 50 lb cans tech.	lb .30	: .35	Southern, 25 lb tins	lb 3.75	: 4.00			
Parsley, 1 lb bot.	lb 3.50	: 4.00	Synthetic, USP, 50 lb cases	lb	.47			
Patchouli, 5 lb bot.	lb 4.50	: 5.50	Wormseed, Bals., USP, 25 lb tins	lb 3.25	: 3.35			
Pennyroyal, dom., 25 lb tins	lb 2.00	: 2.15	Wormwood, dom., 25 lb tins	lb 4.00	: 4.50			
Imported, 25 lb tins	lb 1.65	: 1.70	Ylang Ylang, Bourbon 10 lb tins	lb				
PEPPERMINT, nat., 60 lb cases	lb 11.00	: 11.25	No. 1	lb 7.00	: 8.00	C-9 (Nonyl), 1 lb bot.	lb 70.00	: 75.00
Reddit., USP, 60 lb cases	lb 11.50	: 11.75	No. 2	lb 6.00	: 7.00	C-10 (Decyl), 1 lb bot.	lb 50.00	: 58.00
Petit Grain, S. A., 25 lb tins	lb 2.10	: 2.20	Manila, 1 lb bot.	lb 28.00	: 40.00	C-12 (Dodecyl), 1 lb bot.	lb	
French, 1 lb bot.	lb 7.00	: 8.00	Artificial, 1 lb bot.	lb 10.00	: 12.00			
Italian, 25 lb tins	lb 2.25	: 2.35						
Pimento, 25 lb tins	lb 2.50	: 2.60	Aspidium, USP, 1 lb bot.	lb 2.75	: 3.00	C-14, 1 lb bot.	lb 22.50	: 25.00
Pinus Sylvestris, 25 lb tins	lb	.140	Carpicum, USP, 5 lb bot.	lb 2.50	: 2.75	C-16, 1 lb bot.	lb	70.00
Pumilio, USP, 25 lb tins	lb	.225	Cubeb, USP, 1 lb bot.	lb 4.00	: 4.50	Aubepine, see Anisic Aldehyde		
Rose, Fr., S. 16 & 32 on plugs	lb .00	.90	Ginger, 5 lb bot.	lb 4.25	: 4.75	Amyl Acetate, pure 5 gal cans gal	4.00	: 4.25
Bulg., S. 16 & 32 on plugs	lb .00	.90	Malefern, See Aspidium			Butyrate, 1 lb bot.	lb 2.00	: 2.25
Artificial, 1 lb bot.	lb .00	.30	Orris, 1 lb bot.	lb 15.00	: 18.00	Cinnamate, 1 lb bot.	lb 4.00	: 4.50
Rosemary, USP, 27 1/2 lb tins	lb .42	: .45	Pepper, black, USP, 1 lb bot.	lb 3.50	: 4.00	Formate, 1 lb bot.	lb 1.75	: 2.00
1000 lb drums	lb .35	: .40	Vanilla, 1 lb bot.	lb 22.50	: 25.00	Phenyl Acetate, 1 lb bot.	lb 4.50	: 5.00
Tech., 27 1/2 lb tins	lb .35	: .40						
Ros., 1 lb bot.	lb	.425						
Sandalwood, E. Ind. USP, 76 lb cases	lb 7.00	: 7.25						
W. Indian (Amrys) 25 lb tins	lb 2.60	: 2.70						
Sassafras, USP, 50 lb cans	lb 1.20	: 1.30						
Artificial, 1000 lb drs., 60 lb cans	lb .34	: .38						
Savin, 5 lb tins	lb 2.25	: 2.40						
Spearmint, USP, 60 lb cans	lb 4.25	: 4.50						
Spruce, 50 lb tins	lb .82	: .85						
Tansy Amer., 20 lb tins	lb 3.20	: 3.30						
Tar, 50 gal. bbls.	gal .25	: .26						
Refined, USP 25 lb tins	lb	...						
Thyme, red, USP, 25 lb tins	lb .85	: 1.00						
White, USP, 25 lb tins	lb 1.00	: 1.10						
Tech., 110 lb drums	lb .30	: .35						

## Aromatic Chemicals

### NATURAL DERIVATIVES

**OIL LEMON**  
 and  
**OIL SWEET ORANGE**  
**CALIFORNIAN**

**W. J. BUSH & CO., Inc.**  
 370 SEVENTH AVENUE, NEW YORK  
 394 ST. PAUL, S. W. MONTREAL

PRICES CURRENT SECTION

## **OILS** **ESSENTIAL** **OILS**

### Aromatic Chemicals

**Manufacturers**  
**Importers**  
**Exporters**

Correspondence Solicited

**FRITZSCHE BROTHERS**  
 Inc.

NEW YORK

# MAGNUS, MABEE & REYNARD

# IMPORTERS AND NEW YORK.

PURITY AND



MANUFACTURERS  
U. S. A.

**STRENGTH**

## CHLOROPHYLL

## Hydro-alcoholic and Oil Soluble Qualities All sized packages for immediate delivery

# ESSENTIAL OILS-DRUGS-CHEMICALS

*Manufactured by*

## JOH. A. BENCKISER'S

### Laboratories—Ludwigshafen on Rhine

# TARTARIC ACID U. S. P.

### Crystal, Powder, Granular

***Sole Agents***

W. BENKERT & CO., Inc.

**81-83 Fulton Street, New York, N. Y.**

**Payment after passing by  
Department of Agriculture**

Telephone Beekman 2116 2117 2118 8439

## Aromatic Chemicals

Benzyl Propionate, 1 lb. bot.	5.00	: 5.55	Iso-Safrol, 1 lb. bot. imported	lb. 5.00	: 5.25	Terpinyl Acetate, 25 lb. cans	lb. 1.65	: 1.85
Bornyl Acetate, 1 lb. bot.	3.75	: 4.00	Domestic, 5 lb. bot.	lb. 4.00	: 4.25	Imported, 25 lb. cans	lb. 1.90	: 2.20
Bromostyrol, 25 lb. cases	3.50	: 4.00	Linalyl Acetate, 1 lb. bot. Dom.	lb. 8.00	: 9.50	TERPINEOL, CP, 1000 lb. drums	lb. .42	: .44
Butyl Anthranilate, 1 lb. bot. dom. lb.	...:	16.00	Imp., 1 lb. bot.	lb. 8.00	: 8.50	Cans, 50 lb.	lb. .47	: .49
Butyric Ether, See Ethyl Butyrate			Benzoate, 1 lb. bot.	lb. 13.00	: 14.00	Absolute, 25 lb. cans	lb. .80	: .90
Cinnamic Acid, 5 lb. cans	3.25	: 3.50	Formate, 5 lb. bot.	lb. 10.50	: 12.00	Imported, 25 lb. cans	lb. .50	: .55
Alcohol, liquid 1 lb. bot.	9.00	: 9.50	Methyl Acetophenone	lb. 3.25	: 3.50	VANILLIN, USP, 500 oz. cans	lb. ...	: .49%
Crystallizable	9.50	: 10.00	ANTHRANILATE dom., 1 lb. bot. lb.	lb. 2.50	: 3.00	Cans, 16 oz., 80 oz.	lb. .50	: .51
Aldehyde	3.50	: 3.75	1 lb. bot.	lb. 2.50	: 3.00	Second Hands	lb. .47	: .50
CITRONELLOL, 1 lb. bot.	9.00	: 11.00	Imported	lb. 3.00	: 3.25	Valeriane Ether, See Ethyl Valerate		
Imported, 1 lb. bot.	10.00	: 12.00	Benzoin, 5 lb. bot. import.	lb. 2.00	: 2.25	Yara Yara, 1 lb. cans	lb. 1.65	: 1.80
Citronellyl Acetate, 1 lb. bot.	13.00	: 14.00	Domestic, 5 lb. bot.	lb. 1.75	: 2.00	PERFUMERS' SUNDRIES		
COUMARIN, 25 lb. cans	3.25	: 3.45	Cinnamate, 1 lb. bot.	lb. 3.50	: 3.75	Almond Meal, 25 lb. cans	lb. .28	: .30
DIETHYL PHthalATE, 25 lb. cans	lb. .40	: .45	Heptesone, 1 lb. bot.	lb. 8.00	: 8.25	Ambergris, black, bxs.	8.00	: 10.00
1000 lb. drs.	.35	: .40	Paracresol, 1 lb. bot.	lb. 8.00	: 9.00	Ambergris, gray, bxs.	...:	: 25.00
Diphenyloxide, 25 lb. tins	.85	: .90	Phenylacetate, 5 lb. bot. dom.	lb. 3.75	: 4.00	Balsam Copala, Para 80 lb. cases	lb. .43	: .45
Ethyl Acetate, pure, 5 lb. bot.	lb. .45	: .50	SALICYLATE, USP 500 lb.			South American, 80 lb. cases	lb. .46	: .48
Benzoin, 5 lb. cans	1.85	: 2.00	drums	lb. ...	: .45	Peru, 120 lb. cases	lb. 2.00	: 2.10
Butyrate, 5 lb. bot.	2.25	: 2.50	50 lb. cases	lb. ...	: .47	Tolu, 90 lb. cases	lb. 1.70	: 1.80
Caproate, 1 lb. bot.	3.23	: 3.50	Second Hands	lb. .44	: .45	Benzoin, Gum, Siam, bxs.	lb. 1.30	: 1.35
Cinnamate, 1 lb. bot.	3.50	: 3.75	Mirbane, rect., 1000 lb. drums	lb. .12	: .14	Castoreum, 1 lb. bot.	lb. 4.00	: 4.50
Formate, 5 lb. bot.	1.25	: 1.50	Musk Ambrette, 1 lb. case	lb. 11.75	: 12.25	Chalk, precip. light, 175 lb. bbls.	lb. .044	: .05
Ethyl-methyl Paracresol, 1 lb. bot.	lb. 3.25	: 3.50	Ketone, 1 lb. cans	lb. 14.50	: 15.00	Cherry Laurel Water, 5 gal cans gal	lb. 1.15	: 1.25
Phenylacetate, 5 lb. bot.	lb. 3.75	: 4.00	Xylene, 5 lb. cans	lb. 3.65	: 3.80	Civet Abymid, horns	lb. 2.75	: 3.75
Propionate, 1 lb. bot.	2.25	: 2.50	Terpinol, 1 lb. cans	lb. 1.65	: 1.80	Labdanum, 5 lb. bot.	lb. ...	: 8.00
Valerate, 5 lb. bot.	4.50	: 4.75	Oenanthic Ether, 1 lb. bot.	lb. 2.25	: 2.50	Lanolin, hydrom, 350 lb. bbls.	lb. .15	: .21
Salicylate, 5 lb. bot.	3.25	: 3.50	Para-Cymene, Refd., 110 gal. drs. gal	lb. 2.25	: 2.50	Anhydrous, 350 lb. bbls. v. lb.	lb. .18	: .23
Formic Ether. See Ethyl Formate			Phenylacetalddehyde, Dom.			Musk pods, Cabardine, tins	lb. 16.00	: 17.00
Geranyl Acetate, 1 lb. bot.	lb. 5.00	: 5.50	1 lb. bot. 50 p.c.	lb. 8.00	: 8.50	Tongquin, tins	lb. 22.00	: 25.00
Butyrate, 1 lb. bot.	lb. 13.00	: 13.50	Imported, 50 p.c.	lb. 7.00	: 7.50	Grains, Cabardine, tins	lb. 25.00	: 26.00
Formate, 1 lb. bot.	lb. 12.00	: 12.50	80-85 p.c.	lb. 14.00	: 18.00	Tongquin, tins	lb. 35.00	: 38.00
Heptozopin, dom., 100-10 lbs.	lb. 1.85	: 2.00	Phenolastic Acid, 1 lb. bot.	lb. 3.00	: 3.25	Synthetic. See Aromatic Chemicals		
Imported	lb. 2.25	: 2.50	Phenyl Diacetate, 1 oz. bot.	lb. 3.25	: 3.50	Orris RT. Flwr., powd. bbls.	lb. .12	: .13
Hydroxycitronellal, 1 lb. bot.	lb. 12.00	: 14.00	1 lb. bot.	lb. 8.00	: 10.00	Verona, 40 lb. chys.	lb. .03	: .09
Indol, CP, 1 oz. bot.	...:	6.00	Imported	lb. 7.00	: 7.75	Petrolatum, snow white 350 lb. bbls.	lb. .125	: .13
Isonone, 1 lb. bot. 100%.	lb. 10.00	: 11.00	Phenylethyl Butyrate, 1 lb. bot.	lb. 26.00	: 28.00	Light Amber, 350 lb. bbls.	lb. .044	: .05
Alpha	lb. 14.50	: 16.00	Formate, 1 lb. bot.	lb. 19.00	: 21.00	Rice Starch, 140 lb. bags	lb. .09	: .10
Beta	lb. 12.75	: 14.50	Propionate, 1 lb. bot.	lb. 20.00	: 24.00	Rose Water, 6 2-3 gal chys. gal	lb. 1.00	: 1.25
Methyl	lb. 16.00	: 18.00	Valerate, 1 lb. bot.	lb. 25.00	: 29.00	Sandalwood chips, powd. bags	lb. .30	: .35
Iso-Butyl Benzene, 5 lb. bot.	lb. 4.75	: 5.00	Phenylpropylalcohol, 1 lb. bot.	lb. 15.00	: 16.00	Sapponin, 5 lb. tins	lb. 1.25	: 1.50
			Skatol, 1 oz. bot.	lb. 7.00	: 7.26	Talc Italian, 220 lb. bags	ton 60.00	: 80.00
						French, 220 lb. bags	ton 40.00	: 45.00
						Domestic, ref., 100 lb. bags	ton 14.00	: 15.00

### METHYL ACETOPHENONE

Di Ethyl Phthalate  
Phenyl Acetic Acid  
Cinnamic Acid  
Geraniol  
Nutanika  
True Fruit Flavors  
Terpeneless Oils  
Perfumers'  
Raw Materials

**THE FRIES & FRIES Co.**

1602-13 W. 6th St.  
Cincinnati O.

242 Pearl St.  
New York

PRICES CURRENT SECTION

### Chemical Works Roermond H. Raab & Co.

ROERMOND, Holland

Thirty years have elapsed since our inception as one of the premier manufacturers of artificial musks.

Today our products are known and used by chemists and manufacturing perfumers in every civilized country throughout the world.

**RAAB'S**

### MUSK XYLOL MUSK AMBRETTE MUSK KETONE

Have proven their worth in the perfect results obtained.

Samples, favorable quotations and prompt deliveries from spot stocks are now obtainable from our exclusive American agents:

**Magnus, Mabee & Reynard, Inc.**  
257 PEARL ST., NEW YORK, N. Y.

Chicago      St. Paul      Atlanta      Boston

ACIDS-  
Co., T.  
Greeff,  
E. R.  
W. N.  
ing C  
ALBUM  
Co., P.  
Co. S  
Egg,  
Egg,  
Sians  
Co., S  
Shang  
ALCOH  
Rotte  
terda  
Rotte  
Co., S  
AMMO  
& Co.  
Picke  
ANTIM  
Chanc  
Hank  
ARGO  
BALSA  
Order  
Funk  
BARKS  
Cristo  
terda  
BERR  
Const  
PONE  
terda  
CALCI  
hardt  
CAMP  
burg  
CANT

Trust

# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, Jan. 3 to Jan. 10

**ACIDS**—**Arsenious**, 186 bbls., Amer. Metal Co., Tamie; **Formic**, 420 demijohns, R. W. Greeff & Co., Rotterdam; **Oxalic**, 12 cks. F. Rudloff, Rotterdam; **Tartaric**, 400 cks. W. Neuberg, Palermo; 100 cks., C. L. Huisking Co., Palermo; 100 cks., Order, Palermo **ALBUMEN**—10 bbls., 20 cks., Clegg Chem. Co., H'burg; 50 cs., Balfour Williamson & Co., Shanghai; 50 cs., Order, Shanghai; **Duck Egg**, 1 cse., Dodwell & Co., Shanghai; **Hen Egg**, 14 cs. (dried), MacAndrews & Forbes, Shanghai; 32 cs., Anglo So. Amer. Trust Co., Shanghai; 22 cs., Oliver Produce Corp., Shanghai **ALCOHOL**—**Butyl**, 47 drs., H. A. Metz & Co., Rotterdam; 44 drs., H. A. Metz & Co., Rotterdam; 88 cks., Kuttroff Pickhardt & Co., Rotterdam; **Denatured**, 50 bbls., Olivett Dist. Co., San Juan; 407 bbls., C. Estevas, Arscibo **AMMONIUM**—**Carbonate**, 5 cks., Brown Bros. & Co., Liverpool; **Muriate**, 230 cks., Kuttroff Pickhardt & Co., Rotterdam **ANTIMONY**—**Regulus**, 500 cs., C. Gütlan, Changsha; 150 cs., F. A. Cundill & Co., Hankow **ARGOLIS**—28 cks., Tartar Chem. Wks., Naples **BALSAM**—10 cs., Nat. City Co., Para; 60 cs., Order, Para; **Copaiiba**, 1 cks., Lo Curto & Funk, London **BARKS**—**Cinchona**, 140 bbls., Andean Trdg. Co., Cristobal **BARYTES**—1 lot, Ore & Chem. Corp., Rotterdam **BERRIES**—**Juniper**, 2 bgs., A. D. Isbetherian, Constantinople **BONE BLACK**—13 cks., C. Winn & Co., Rotterdam **CALCIUM**—**Nitrate**, 28 cks., Kuttroff Pickhardt & Co., Rotterdam **CAMPHOR**—175 cs., Equit. Trust Co., Hamburg **CANTHARIDES**—20 cs., Anglo So. Amer. Trust Co., Shanghai

**CASEIN**—834 bgs., Kalbfleisch Corp., Buenos Aires **CHALK**—1,000 bgs., Brown & Co., Antwerp; 500 tons, Taintor Trdg. Co., London; **Precipitated**, 800 bgs., H. J. Baker & Bro., Bristol **CHEMICALS**—88 drs., Order, Middlesbrough; 425 bgs., Brown Bros. & Co., Glasgow; 28 cks., Frazer & Co., Glasgow; 274 bgs., Brown Bros. & Co., Glasgow; 247 cks., A. Klipstein & Co., Rotterdam; 100 cks., Hummel & Robinson, Rotterdam; 135 cks., Stanley Doggett, Rotterdam; 4 bbls., Fezandie & Sperre, Hamburg; 100 bbls., Mech. & Metals Nat. Bk., Bremerhaven; 100 cks., Hummel & Robinson, Rotterdam; 100 cks., H. Hinrichs Co., Rotterdam **CHEMICAL PRODUCTS**—4 cs., Ciba Co., Havre; 38 cs., E. Fougera & Co., Havre; 9 cks., Equit. Trust Co., Havre; 150 cs., Order, Havre **CLAY**—**China**, 25 cks., C. T. Wilson & Co., Bristol; 535 bgs., Nat. City Bk., Bristol **COLORS**—4 cs., Bernard Bernard Inc., Genoa; 16 cylinders, Sandoz Chem. Wks., Havre; 3 cs., G. W. Sheldon & Co., Havre; 21 cks., Amer. Exch. Nat. Bk., Havre; 63 pgs., Ciba Co., Havre; 20 cs., R. F. Downing & Co., London; 2 cs., B. F. Drakenfeld & Co., Liverpool; 32 cks., Grasse's Dyestuff Corp., Rotterdam; 24 cks., 8 bbls., Kuttroff Pickhardt & Co., Hamburg; 16 cks., C. Helmuth, Hamburg; 4 cks., H. A. Metz & Co., Hamburg; 6 cks., Franklin Imp. & Exp. Co., Hamburg; 132 cks., Kuttroff Pickhardt & Co., Rotterdam; **Bronze Powder**, 10 cs., W. A. Fenton Inc., Bremerhaven **COPRA**—5 bgs., Franklin Baker Co., Humacao; 30 bgs., Franklin Baker Co., Panama **CUTTLEFISH BONES**—73 cs., Order, Vera Cruz

**DRAGONS BLOOD**—10 cs., Chase Nat. Bk., Singapore **DREGS**—330 bgs., C. Pfizer & Co., Lisbon **DRUGS**—30 cs., G. J. Wallau, Havre; 8 cks., Geigy Co., Havre **EARTH**—**Infusorial**, 8,219 sks., Orelite Co., Oran; 5 sks., A. Lusskin, Oran; 3,813 sks., Order, Oran; **Red**, 210 pgs., G. Z. Collins & Co., Bristol; 30 cks., J. Lee Smith & Co., Bristol **FLOWERS**—**Mallow**, 2 bls., Banque Belge Pour l'Etranger, Antwerp **GALLNUTS**—176 bgs., Zinsser & Co., Shanghai **GAMBIER**—73 bgs., Bk. of America, Singapore **GELATINE**—40 cks., P. Puttmann, Rotterdam **GLUE**—20 cks., Puttmann Inc., Antwerp; 250 bgs., Amer. Glue Co., Constanza; 60 cs., Order, London; 37 bbls., Equit. Trust Co., Hamburg **GLYCERIN**—27 drs., Internat'l Bkg. Corp., Shanghai; **Soaplye**, 100 drs., Core & Herbert, Rotterdam **GUMS**—7 cs., A. D. Isbetherian, Constantinople; **Chicle**, 18 bls., H. Triest & Co., Vera Cruz; 20 bbls., Gomez & Sloan, Vera Cruz; 25 bbls., Graham Hinkley & Co., Vera Cruz; 392 sks., Chicle Development Co., Vera Cruz; 150 sks., Order, Vera Cruz; **Copal**, 75 cs., Brown Bros. & Co., Singapore; 53 cs., 50 bgs., Baring Bros. & Co., Singapore; 400 bgs., L. C. Gillespie & Sons, Singapore; 130 bkt., L. C. Gillespie & Sons, Macassar; 302 bkt., S. Winterbourne & Co., Macassar; 78 bkt., L. Van Norden, Macassar; 133 bkt., W. H. Schel, Macassar; 286 bkt., Patterson Boardman & Knapp, Macassar; 472 bkt., Irving Bk., Macassar; 220 bkt., Standard Bk. of So. Africa, Macassar; 138 bkt., Equit. Trust Co., Macassar; 215 bkt., Order, Macassar; 60 bgs., Winterbourne & Co., London; **Damar**, 100 cs., Baring Bros.

**SODIUM BROMIDE**  
**POTASSIUM BROMIDE**  
**POTASSIUM PERMANGANATE**  
**POTASH ALUM, GRANULAR,**  
**U.S.P.**



**HENRY W. PEABODY & CO.**  
Manufacturers Sales Agents  
EXPORTERS IMPORTERS  
17 State St., New York City

**W.F. GEORGE**  
**CHEMICALS**  
INCORPORATED

**Soda Ash**  
**Caustic Soda**  
**Sal Soda**  
**Glauber's Salt**  
**Tri Sodium Phosphate**  
**Sodium Bicarbonate**  
**Sodium Silicate**

42 BROADWAY, NEW YORK CITY  
Telephone Hanover 6940.

WAREHOUSES:  
New York, N.Y.  
Syracuse, N.Y.  
Brooklyn, N.Y.  
Albany, N.Y.  
Elmira, N.Y.  
Newark, N.J.

& Co., Singapore; 100 bgs., Equit. Trust Co., Singapore; 105 cs., 261 bgs., L. C. Gillespie & Sons, Singapore; 520 pgs., 130 cs., Order, Singapore; 50 cs., Order, Singapore; 100 pgs., Brown Bros. & Co., Batavia; 100 cs., Bk. of Manhattan Co., Batavia; 200 cs., Central Union Trust Co., Batavia; Eleml, 12 cs., P. J. Barth & Co., Manila; Mastic, 12 cs., Stamoulis Bros., Piraeus; Sandarac, 20 bgs., Lo Curto & Funk, London.

**HARTSHORN SALTS**—2 cks., Kuttroff Pickhardt Co., Rotterdam.

**HERBS**—139 bgs., Simon Straus & Co., Alicante; 44 bgs., Order, Trieste.

**HOPS**—4 bgs., Downing & Co., Bremerhaven.

**IRON POWDER**—12 cs., Mallinckrodt Chem. Wks., Bremerhaven.

**KAPOC**—150 bls., Bk. of Amer., Samarang; 103 bgs., Groff Bent Corp., Samarang; 345 bgs., Sena Java Handelsges., Samarang; 936 bgs., Order, Samarang; 478 bgs., Kidder Peabody Acceptance Corp., Sourabaya; 255 bgs., First Nat. Bk. of Boston, Batavia; 100 bgs., H. F. Barroto, Cristobal; 361 bgs., Equit. Trust Co., Samarang; 238 bgs., Seaboard Nat. Bk., Samarang; 618 bgs., Order, Samarang; 50 bgs., Order, Samarang; 50 bgs., Lawrence Johnson & Co., So. Pac. Ports; 181 bgs., Order, So. Pac. Ports.

**LEAVES**—70 bgs., Arnould Gaidan Freres, Marseilles; 52 cs., Order, Marseilles; Belladonna, 18 bgs., Chem. Nat. Bk., Trieste; Patchouli, 118 bgs., Corn Exch. Bk., Singapore; Sape, 16 bgs., G. Eckert & Co., Trieste; 15 bgs., Order, Trieste.

**LICORICE**—50 cs., P. E. Anderson & Co., Tarragona; 26 cs., A. M. Leslie, Marseilles.

**LITHOPONE**—600 cks., B. Moore & Co., Antwerp; 1 ck., Waldo Bros., Antwerp.

**MAGNESITE**—115 tris., 313 bgs., Speiden Whitheld Co., Rotterdam; 106 bgs., H. J. Baker Co., Rotterdam; 25 bgs., Salomon Bros., Antwerp; 50 bgs., Whittaker Clarke & Daniels, Antwerp; **Calcined**, 250 bgs., 104 cks., Brown Bros. & Co., Rotterdam.

**MAGNESIUM**—**Calcined**, 1 csc., E. J. Barry Hull; Carbonate, 24 cs., E. J. Barry, Hull.

**MANGANESE**—Chloride, 42 cks., A. Klipstein & Co., Glasgow.

**MEDICINALS**—12 cs., Adele Fwdg. Co., Naples.

**MINERAL WHITE**—1,200 bgs., Hammill & Gillespie Inc., Hull.

**MYROBALANS**—1,000 bgs., Standard Bk. of So. Africa, Calcutta.

**OCHRE**—220 cks., Amer. Exch. Nat. Bk., Marseilles; 272 cks., J. Lee Smith & Co., Marseilles; 225 cks., Reichard Coulston Inc., Marseilles; 150 cks., J. Lee Smith & Co., Marseilles; 150 cks., Amer. Exch. Nat. Bk., Marseilles; 110 cks., Order, Marseilles.

**OLIS-Ced**, 300 cks., Nat. Oil Products Co., St. Johns; 30 bbls., Bowring & Co., St. Johns; 150 cks., Order, St. Johns; **Fusel**, 12 drs., Order, Antwerp; 16 cks., Nat. City Bk., Marseilles; 45 drs., Order, Rotterdam; **Linsed**, 60 bbls., Order, Hull; 5 cks., Order, Rotterdam; **Olive**, 100 cs., J. Antagnoli Co., Genoa; 100 cs., Savay Impg. Co., Genoa; 150 cs., Yohalem & Diamond, Genoa; 110 cs., Marotta & Cellas, Genoa; 300 cs., G. W. Sheldon & Co., Genoa; 100 cs., J. Garneau Co., Genoa; 450 cs., J. P. Smith & Co., Genoa; 100 bbls., Bank of Manhattan, Piraeus; 220 bbls., Order, Piraeus; 231 cs., Nicelle Olive Oil Co., Marseilles; 100 cs., M. Guarino, Naples; 400 cs., G. Lasso & Sons, Genoa; 580 cs., Bragno & Mustare, Genoa; 150 cs., Gallager & Ascher, Genoa; 100 cs., B. Benden Inc., Genoa; 100 cs., Strohmeyer & Arpe Co., Genoa; 100 cs., Italian Impg. & Export Co., Genoa; 100 cs., J. Mareca, Naples; 141 cs., Order, Naples; **Olive Oil**, 300 bbls., Banca Comm. Italiano, Bari; 137 drs., Order, Hamburg; **Ropesed**, 150 bbls., J. C. Francesconi & Co., Hull; 20 bbls., Order, Hull; **Sesame**, 3 cs., Labla Jacki Ajami Co., Beyrouth; **Sperm**, 250 bbls., Baring Bros. & Co., Glasgow; **Sulfur Olive**, 300 bbls., Nat. City Bk., Bari; **Wood**, 63 drs., F. A. Cundill & Co., Shanghai; 162 cs., G. W. S. Patterson Co., Shanghai; 117 drs., St. Clair Oil Co., Shanghai; 158 cks., Bingham & Co., Shanghai; 354 bbls., Viele Blackwell & Buck, Shanghai; 148 cks., Irving Bk., Shanghai; 96 bbls., Order, Shanghai; 96 bbls., Olivier Produce Corp., Shanghai.

**OILS, ESSENTIAL**—10 cs., Orbis Products Trdg. Co., Marseilles; 3 drs., B. T. Bush Co., Batavia; 120 bbls., Bk. of Manhattan Co., Marseilles; 7 cs., Ungerer & Co., Havre; 6 cs., Orbis Products Trdg. Co., Havre;

25 cs., Equit. Trust Co., Singapore; 6 cks., Chem. Nat. Bk., Marseilles; 3 cs., G. Lueders & Co., Grasse; 23 cs., Products Trdg. Co., Grasse; 13 cs., Fritzche Co., Grasse; 7 cs., Order, Grasse; Bay, 5 cs., H. Hickelsoen Co., Arroyo; Geranium, 3 cks., J. Manheimer, Marseilles; 3 cks., Davies Turner & Co., Marseilles; 20 cs., Order, Marseilles; **Camphor**, 33 drs., Seral Trdg. Corp., Shanghai; 30 drs., Importers Comin. Co., Shanghai; 21 drs., Anglo So. Amer. Trust Co., Shanghai; **Cassia**, 30 cs., Order, Hongkong; **Cinnamon**, Leaf, 5 drs., Phila. Nat. Bk., Colombo; **Vetivert**, 2 cs., Ungerer & Co., Marseilles.

**OXIDE**—Red, 30 cks., J. Lee Smith & Co., Hull.

**PHOSPHATE**—645 bgs., Order, Antwerp.

**PITCH**—Stearine, 200 bbls., Order, Liverpool.

**POTASSIUM SALTS**—28 bbls., Order, Hamburg; **Manure Salt**, 275,000 kilos, Societe Comm. Des Potasses, Antwerp; **Nitrate**, 1,016 bgs., 208 cks., Kuttroff Pickhardt & Co., Hamburg; **Prussiate**, 36 kg., C. Tennant Sons & Co., Liverpool.

**POTATO STARCH**—230 bgs., Spier Simmons & Co., Rotterdam; 100 bgs., Arabol Mfg. Co., Rotterdam.

**QUICKSILVER**—30 flasks, H. N. Peabody & Co., Trieste; 200 uasks, A. H. Pickering, Trieste.

**QUININE**—Sulfate, 1 csc., E. G. Gandesabos, Antwerp.

**RESIN**—10 bbls., Schutte & Focke, Azua; 4 bbls., Mecks & Co., Azua.

**ROCHELLE SALTS**—66 brls., W. Neuburg Co., Rotterdam.

**ROOTS**—79 bls., Order, Trieste; **Bardane**, 25 bgs., Banque Belge Pour l'Etranger, Antwerp; **Dandelion**, 18 bgs., Lo Curto & Funk, London; **Euphorbia Piluifera**, 13 bgs., Order, Colombo; **Jalap**, 7 bgs., H. Fries & Co., Vera Cruz; **Rhubarb**, 17 cs., S. B. Penick & Co., Shanghai; 17 cs., Peck & Velsor, Shanghai; 48 cs., P. E. Anderson & Co., Shanghai; **Soapwort**, 4 bgs., Davies Turner & Co., Marseilles.

**SALT PETRE**—100 cks., Lo Curto & Funk, Hamburg.

**SEEDS**—**Canary**, 150 bgs., Levy & Lewis, Rotterdam; **Caraway**, 300 bgs., Levy & Lewis, Rotterdam; **Cardamom**, 30 pgs., Brown Bros. & Co., Colombo; **Castor**, 1,500 bgs., F. Matarazzo, Bahia; 4,000 bgs., Nat. City Bk., Santos; 3,000 bgs., Order, Santos; 5,000 bgs., Central Union Trust Co., Santos; **Coriander**, 25 cks., Order, Marseilles; **Cumin**, 195 bgs., Westminster Bk., Hamburg; 148 bgs., Nat. City Bk., Trieste; 339 bgs., Order, Trieste; **Mustard**, 214 bgs., Herbst Bros., London; 260 bgs., Archibald & Lewis, London; 426 bgs., Order, London; **Poppy**, 100 bgs., Archibald & Lewis, Rotterdam; **Rape**, 200 bgs., A. G. Dunn, Rotterdam.

**SENNA**—374 bls., Order, Colombo; 200 bgs., Order, Colombo.

**SHELLAC**—500 bgs., Brunswick Balke Colender Co., Calcutta; 200 bgs., British Overseas Bk., Calcutta; 50 bgs., Order, Calcutta; 150 bgs., N. Y. Trust Co., Calcutta; 120 bgs., Brown Bros. & Co., Calcutta; 815 bgs., Order, Calcutta; 9 cs., C. F. Gerlach, Rotterdam; **Garnet Lac**, 425 bgs., Brown Bros. & Co., Calcutta; 150 bgs., Brown Bros. & Co., Calcutta; 30 cs., Order, Hamburg; **Refuse Lac**, 28 bgs., Marx & Rawolle, Calcutta; **Seed Lac**, 333 bgs., Marx & Rawolle, Calcutta; 100 bgs., Order, Calcutta; 250 bgs., N. Y. Trust Co., Calcutta; 32 bgs., Marx & Rawolle, Calcutta; 100 bgs., H. W. Peabody & Co., Calcutta; 208 bgs., Order, Calcutta; **Sticklac**, 168 cs., Order, Singapore; 168 cs., Order, Singapore; 70 cs., Nat. City Bk., Singapore; 35 cs., Nat. Park Bk., Singapore; 112 cs., Internat'l Bkg. Corp., Singapore; 412 bgs., Amsinc Sonne & Co., Singapore.

**SODIUM SALTS**—**Cyanide**, 135 cs., Order Liverpool; 25 cks., Roessler & Hasslacher Chem. Co., Rotterdam; **Carbonate**, 7 cs., Burroughs Wellcome & Co., London; **Hydro sulfite**, 131 cks., Kuttroff Pickhardt & Co., Rotterdam; **Nitrate**, 250 cks., Kuttroff Pickhardt & Co., Rotterdam; 4,266 bgs., Wessel Duval & Co., Antofagasta; 18,423 bags, Wessel Duval & Co., Iquique; 6,672 bgs., E. I. Dupont de Nemours Co., Iquique; **Perborate**, 101 cks., Intern. Acceptance Bk., Rotterdam; **Prussiate**, 31 cks., Order, Rotterdam; **Silico Fluoride**, 200 brls., Innis Speiden Co., Rotterdam; **Sulfate**, 50 drs., R. F. Downing & Co., Bristol; **Sulfhydrate**, 265 drs., C. S. Grant Co., Rotterdam.

**SPICES**—**Cassia, vera**, 524 bgs., Order, Belawan; **Cinnamon**, 100 bgs., Bk. of Commerce, Colombo; 100 bgs., Order, Colombo; Quills, 10 pgs., W. Schall & Co., Colombo; **Cloves**, 400 bgs., Italia Amer. Shpg. Corp., Naples; **Ginger**, 409 bgs., Order, London; **Mace**, 40 cs., Order, Singapore; 34 cs., Bk. of Amer., Singapore; 50 cs., Bk. of Amer., Batavia; 22 cs., Standard Bk. of So. Africa, Batavia; **Nutmegs**, 50 bgs., Order, Singapore; 195 cs., Equit. Trust Co., Macassar; 400 bgs., Brown Bros. & Co., Batavia; 48 bgs., Standard Bk. of So. Africa, Batavia; **Paprika**, 105 bgs., Lundt & Co., Alicante; 100 bgs., J. Wertheimer & Sons, Alicante; 560 bgs., Eric R.R. Co., Alicante; 325 bgs., R. F. Downing & Co., Alicante; 100 bgs., Van Loan & Co., Alicante; 50 bgs., Judson Freight Fwdg. Co., Alicante; 100 bgs., Prudential Natl. Corp., Alicante; 150 bgs., Order, Alicante; **Pepper**, 658 bgs., Italia Amer. Shpg. Corp., Naples; 50 bgs., Order, Macassar; 257 bgs., Lee Higginson & Co., Samarang; 250 bgs., Bk. of Amer., Batavia; 495 bgs., Equit. Trust Co., Batavia; 165 bgs., Irving Bk., Batavia; 165 bgs., Guaranty Trust Co., Batavia; 280 bgs., Bankers Trust Co., Batavia; 100 bgs., Standard Bk. of So. Africa, Batavia; **Black Pepper**, 500 bgs., Catz Amer. Co., Batavia; 7,317 bgs., Order, Telok Betong; **White Pepper**, 1,410 bgs., Order, Singapore; 140 bgs., Order, Singapore; 170 bgs., Order, Singapore; **Pimento**, 25 bgs., Yohalem & Diamond, Alicante; 10 bgs., F. J. Benkert & Co., Alicante; 25 bgs., G. W. Sheldon & Co., Alicante; 200 bgs., Brown Bros. & Co., Alicante; 50 bgs., 50 bgs., Archibald & Lewis, Alicante; 50 bgs., Intercean Fwdg. Co., Alicante; 60 bgs., L. C. Dever, Alicante; 100 bgs., E. C. Marks & Co., Alicante; 50 bgs., 25 cs., Baltimore & Ohio R.R. Co., Alicante; 375 bgs., 28 cs., Amer. Hawaiian S.S. Co., Alicante; 130 cs., 900 bgs., Order, Alicante; 100 bgs., Order, Kingston.

**SPONGES**—14 cs., J. H. Rhodes & Co., London; 13 bgs., Greek Amer. Sponge Co., Nassau.

**STRONTIUM**—**Nitrate**, 305 cks., Meteor Products Co., Rotterdam.

**SUMAC**—50 bgs., Order, Alexandretta.

**TAPIOCA**—525 bgs., Nat. City Bk., Sourabaya; **FLOUR**, 460 bgs., French Amer. Bkg. Corp., Batavia; 1,000 bgs., Stein Hall & Co., Batavia; 1,300 bgs., Goldman Sachs & Co., Batavia; 7,305 bgs., Nat. City Bk., Sourabaya; 258 bgs., Bk. of N. Y. & Trust Co., Batavia; 707 bgs., French Amer. Bkg. Corp., Batavia; 2,050 bgs., Goldman Sachs & Co., Batavia; 510 bgs., Order, Batavia; **Pearl**, 751 bgs., Order, Penang; 1,276 bgs., Nat. City Bk., Sourabaya.

**TARTRATES**—590 sks., C. Pfizer & Co., Marseilles; 472 cks., Royal Baking Powder Co., Marseilles.

**UMBER**—25 cks., Nat. City Bk., Bristol.

**VALONIA**—2,667 bgs., Order, Smyrna.

**VANILLA BEANS**—117 cs., Bk. of N. Y. & Trust Co., Marseilles; 2 cs., J. B. Horner, Marseilles; 20 cs., G. Lueders, Marseilles.

**WAX**—20 bgs., Trust Co., N. Y., Lisbon; 5 seroons, J. J. Julia & Co., Monte Cristi; 3 bgs., Yglesias & Co., Sanchez; Bees, 32 bds., D. Steengrafe, Cabarrién, Cuba; 9 bgs., J. J. Julia & Co., Azua; 3 bgs., Schutte & Focke, Azua; 8 bgs., J. J. Julia & Co., Santo Domingo; 4 bgs., Curacao Trdg. Co., Santo Domingo; 2 seroons, J. J. Julia & Co., Monte Cristi; 7 bgs., Nat. Bk. of Commerce, Alexandria; 20 bgs., Bk. of Amer., Alexandria; 17 bgs., Order, Havana; **Carnauba**, 113 bgs., Nat. City Bk., Ceara; 124 bgs., Lazard Freres, Ceara; 223 bgs., N. Y. Trust Co., Ceara; 56 bgs., Order, Ceara; 33 bgs., Order, Rio de Janeiro; **Paraffin**, 2,900 bgs., Asiatic Petroleum Co., Balikpapan; **Spermaceti**, 50 cs., Order, London.

**WHITING**—200 bgs., C. B. Chrystal & Co., Bremerhaven.

**WOODFLOUR**—72 sks., Bakelite Corp., Rotterdam; 800 bgs., A. Kramer, Rotterdam.

**WOOL GREASE**—25 bbls., Order, Antwerp; 2 bbls., Marden Wild Corp., Hull.

**YOLK**—8,820 cs. (frozen) egg, H. J. Keith Co., Shanghai; 3 cs., Dowdell & Co., Shanghai.

**ZINC**—**Chloride**, 35 drs., C. Hardy Inc., Rotterdam; **Oxide**, 30 bbls., Chem. Nat. Bk., Marseilles; 52 bbls., Order, Marseilles; 60 bbls., Reichard Coulston Inc., Marseilles; 25 cks., Waldo Bros., Antwerp; 130 bbls., Amer. Exch. Nat. Bk., Marseilles.

## IMPORTS AT BALTIMORE

Jan. 2 to 8

CHALK—1,100 bags, Billiard & Co., Scythian, Antwerp  
 COTTONSEED PITCH—150 bbls., William H. Hull; 20 bbls., William H. Masson, Quaker Masson, Manchester Importer, Manchester; 100 bbls., William H. Masson, Quaker City, City, Hull  
 FLUOR SPAR—354 tons, Buck, Kiefer & Co., New York, Quaker City, Middlesbrough  
 MAGNESIUM CHLORIDE—75 drums, 45,000 lbs., William H. Masson, Deuel, Hamburg  
 NITROGENOUS FERTILIZER—2,296 bags, Hollinghurst & Co., Inc., Scythian, London; 1,160 bags, William H. Masson, Quaker City, Hamburg  
 PITCH—127 bbls., to order, Quaker City, Hull  
 POTASH—171 bbls., 180,000 lbs., Roessler & Hasslacher Chemical Co., New York, Deuel, Hamburg; Carbonate, 96 casks, Parsons & Petit, New York, Deuel, Hamburg  
 SEED—Mustard, 199 sacks, McCormick & Co., Quaker City, London  
 SODA—Nitrate, 108 bags, Swindell Bros., Tortugas, Havre

## IMPORTS AT BOSTON

Jan. 3 to 10

CASEIN—584 bags, Bank of America, Buenos Aires; 833 bags, Bank of Manhattan, Buenos Aires  
 EXTRACTS—Quebracho, 1,000 bags, Internat. Prods. Co., Buenos Aires; Gambier, 252 cases, Order, Far East; 162 bags, Order, Far East  
 MAGNESITE—28 casks, Frazer & Co., Glasgow

## IMPORTS AT PHILADELPHIA

Dec. 31 to Jan. 7

ACID—Cresylite, 24 drums, Order, Glasgow  
 AMMONIUM—Bromide, 10 cases, Order, Hamburg; Nitrate, 223 casks, Order, Hamburg  
 BAUXITE—6,550,000 kilos, Order, Sibenik  
 CALCIUM—Chlorate, 1,183 casks, Seaboard Nat. Bank, Hamburg  
 CHALK—500 tons, Brown Bros. & Co., London  
 CHEMICALS—66 cases, Order, Hamburg  
 EXTRACT—Logwood, 800 tons, Am. Dyewood Co., Briarpark; 920 tons, Order, Briarpark  
 FLUORSPAR—10,200 kilos, Wm. Schall & Co., Hamburg  
 HYDROGEN PEROXIDE—60 gallons, W. D. R. Evans, Hamburg  
 LITHOPONE—80 casks, A. Klipstein & Co., Antwerp  
 MAGNESIUM CHLORIDE—130 drums, Brown Bros. & Co., Hamburg  
 OIL—Olive, 100 cases, Order, Leghorn; Palm, 125 casks, African & Eastern Trdg. Co., Hamburg; 155 bbls., Order, Hamburg; Su'fur Olive, 25 bbls., Brown Bros. & Co., Naples; 100 bbls., Phila. Nat. Bk., Naples; 150 bbls., Phila. Nat. Bank Bari  
 OPIUM—10 cases, Order, Coconstantinople  
 POTASH—Manure Salt, 240,000 kilos, Societe Comm. des Potasses d'Alsace, Antwerp; Muriate, 448 bags, Order, Antwerp  
 SEED—Canary, 300 bags, E. B. Howard, Constantinople  
 SHELLAC—110 bags, Anglo South Am. Trust Co., Calcutta; 10 bags, Order, Calcutta  
 SODIUM—Bromide, 29 cases, Order, Hamburg; Nitrate, 21 casks, Minogue, Daniel, Christiania; 35 cases, Order, Hamburg; Phosphate, 20 casks, Order, Antwerp  
 SYLVANITE—270,000 kilos, Societe Commercial des Potasses d'Alsace, Antwerp

TALC—200 bags, L. A. Salomon & Bros., Genoa  
 ZIRCONIUM OXIDE—5 cs., Order, Hamburg

## IMPORTS AT NEW ORLEANS

Jan. 3 to 10

CHICLE—631 bags, Port Barrios  
 POTASH—Muricate, 400,103 lbs., Belgium; Manure Salts, 515,776 lbs., Belgium  
 PYRIDINE—500 gals., England  
 SODA—Nitrate, 4,000 tons, Chile; 417 casks, Hamburg; 115,375 bags, E. I. Du Pont de Nemours & Co., Chile

## IMPORTS AT SAN FRANCISCO

Dec. 27 to Jan. 3

ACID—Arsenic, 200 cases, Order, Manila  
 COPRA—2,267 sacks, Atkins Kroll & Co., Tahiti; 1,345 sacks, Henry Gray & Co., Tahiti; 1,550 sacks, Wightman & Crane, Tahiti; 1,620 sacks, Paul I. Fagan & Co., Tahiti; 1,700 sacks, American Finance & Commerce Co., Tahiti; 3,315 sacks, Order, Tahiti  
 CASSIA—200 cases, Order, Manila; 400 cases, Order, Hongkong  
 EXTRACTS—Quebracho, 1,027 bags, First National Bank of Boston, Buenos Aires; 400 bags, Order, Buenos Aires  
 IRON—Chloride, 200 casks, Braun-Knecht-Heinman, Hamburg  
 OIL—Wood, 20 drums, Order, Manila  
 SANDALWOOD—18 cases, Antoine Chiris & Co., Tahiti  
 SPICES—Cinnamon, 150 bales, Order, Manila  
 VANILLA BEANS—119 cases, Williams Dimond & Co., Tahiti  
 WAX—Paraffine, 500 bags, Order, Buenos Aires

## MAKERS ADVANCE COCAINE PRICES

American manufacturers advanced prices for cocaine hydrochloride fifty cents per ounce on Tuesday, Jan. 13, and now quote on the following basis: Bulk in 25 oz. lots at \$7.50 per ounce; 1 oz. vials, 7c higher; 1/2 oz., 15c higher; 1/4 oz., 30c higher; 1/8 oz., 50c higher. Price covers flake, large crystals, granular, and powdered. The advance follows higher cost of coca leaves and reported small supply in primary markets. In connection with coca import restrictions, reports indicate the supply of decocanized coca leaves is far below soft drink requirements in this country. Foreign decocanized leaves will not answer, according to reports, owing to the use of benzol abroad for cocaine extraction.

Commercial Solvents' issue of \$3,200,000 five year convertible 6 1/2 per cent notes has all been sold. The notes represent the only funded debt of the company and are convertible at any time before maturity, into Class B stock at the rate of one share of stock for each \$110 principal amount of the notes.

# ACETONE, C. P.

Highest quality. Available for immediate shipment in tank cars or drums at a price no higher than material of inferior quality.

Commercial Solvents Corporation

#### SALES OFFICES:

17 East 42nd Street 10a Featherstone Bldgs.  
 NEW YORK, N. Y. High Holborn WC1  
 LONDON, ENGLAND

Terre Haute  
 INDIANA

PLANTS:—Terre Haute, Ind. and Peoria, Ill.

### LESS TURPENTINE USED IN 1923

During the calendar year 1923 more than 6,700,000 gallons of turpentine and 908,000 round barrels of rosin were used by industries in the United States, according to a compilation by the Bureau of Chemistry, United States Department of Agriculture. The same industries used 8,718,900 gallons of turpentine and 754,927 round barrels of rosin during 1922.

The industries reporting quantities of rosin and turpentine used by them include the makers of paints, varnishes, soaps, paper, rosin oil, pitch, printing inks, shoe polish, leather dressings, automobiles, buggies, wagons, sealing wax, fly paper, insulation, oils, greases, linoleum, oilcloth, roofing, iron, steel, pharmaceuticals, and wood-ware, and the operators of shipyards. Of these industries paint, varnish, shoe polish, leather dressings, automobile, buggy and wagon makers use the greater part of the turpentine, while the soap, paper, paint and varnish makers use by far the larger part of the rosin.

These statistics do not include the turpentine and rosin sold at retail throughout the country to the smaller users who buy in barrel or smaller lots. The quantity of turpentine sold in this way is probably large, and the quantity of rosin small.

### CHEMICAL WAGES ADVANCING IN GERMANY

(*Special Correspondence to DRUG & CHEMICAL MARKETS*)

Hamburg, Germany, Jan. 3.—Conditions in the Hamburg chemical market have not altered lately and trade is comparatively quiet. Consumers are only buying to the extent of actual requirements and are not taking on stocks though prices of most products are advancing. In potash salts there is a large turnover. There has been a noticeable increase in foreign enquiries, recently, and an improvement in the volume of business, especially for export, is expected after the conclusion of trade agreements with other countries, as free imports are stopped from Jan. 10 next year. These trade agreements are of great importance and may influence the chemical trade considerably.

Wages in the chemical industry have been raised during the month and in group 1 (districts where cost of living is higher than the average) 63 to 66 marks per hour (about 16 cents) are paid to skilled workmen; 56 to 58 marks (about 14 cents) to semi-skilled men, and 52 to 54 (about 13 cents) to laborers. Married men receive 4 cents per shift extra and 4 cents for every child. In group 2 (provincial districts) wages are 6 per cent lower.

### EQUIPMENT EXHIBIT BARS THE PUBLIC

The Association of Chemical Equipment Manufacturers, which will held an exposition at Providence, R. I., in June, 1925, will bar the public from the exhibition, in order that technical men and executives of industrial enterprises may have entirely unhampered opportunities to study the relation of chemical processes to their production problems. Men of the classes mentioned are being informed of the exposition by individual invitation in cases where their names and company affiliations are known to the equipment manufacturers' association. The headquarters of the chemical equipment manufacturers are at 1328 Broadway, New York City. The Providence-Biltmore Hotel, the headquarters for the exposition week, and the Narragansett, Dreyfus and Crown Hotels in Providence are making reservations for those who plan to inspect the exposition.

Dr. E. G. Schmidt of Wisconsin University has entered Commercial Solvents as a research chemist.

### ORGANIC CHEMICALS VALUED AT \$75,914,191

Total production of organic compounds in 1923, not covered by special chemical groups and not including alkaloids, coal tar derivatives, and synthetic plastics, as reported by establishments engaged primarily in the manufacture of chemicals, was valued at \$75,914,191. This represents an increase of 70 per cent compared with \$44,661,100 in 1921 and of 5.2 per cent compared with \$72,141,542 in 1919, according to the Census Bureau.

The production, for sale, of the leading compounds in this miscellaneous group of organic chemicals, as reported for 1923, was as follows (the items being listed in the order of their value): Refined glycerin, 74,104,854 pounds, valued at \$12,214,012; formaldehyde, 20,213,873 pounds valued at \$2,604,061; ethyl acetate, 2,529,788 gallons, valued at \$2,192,989; acetone, 8,742,805 pounds, valued at \$1,864,986; carbon bisulfide, 25,200,967 pounds, valued at \$1,337,024; and vanillin, 227,997 pounds valued at \$1,326,935.

### GUGGENHEIMS TRANSFER NITRATE RIGHTS

Anglo-Chilean Consolidated Nitrate Corp., incorporated under the laws of Delaware, has acquired all of the properties of Anglo-Chilean Nitrate and Railways Co., Ltd., in Chile. Stock in the new company is owned by the Guggenheim Brothers of New York, who have turned over to it their nitrate lands purchased at auction from the Chilean Government last September, as well as the right to use of the lands, and the new Guggenheim process for extracting nitrates. This new process is based on the leaching at or near atmospheric temperature and crystallization by refrigeration, and permits the extraction of 90 to 95 per cent of the nitrate, whereas the old methods extracted from 55 to 60 per cent. Officers of the new company are E. A. Cappelle Smith, president; J. K. MacGowan and Paul H. Mayer, vice-presidents; and W. E. Bennett, secretary-treasurer.

Kunhardt & Co., New York, has lost a suit in the Supreme Court against the Government to recover \$35,000 depreciation on a schooner which the company wished to sell during the war but was obliged to retain in order to fulfill contracts for delivery of castor beans to the army air service. The company claimed that the schooner was sold after the war for that much less than was offered for it at the time they wished to sell it.

Earnings of Glidden Co., manufacturers of paint and varnish for 1924, show a substantial gain over those for 1923, according to President Adrian D. Joyce's annual report to the stockholders. Gross sales for 1924 are \$19,614,396, against \$19,372,277 for 1923. The company has also acquired the rights, patents and property of Euston Lead Co. Scranton, and control of important zinc mines and smelters.

At the annual meeting of the Metric Association, at George Washington University, Washington, D. C., Dec. 29 and 30, the following officers were elected for the coming year: George F. Kunz, president; Arthur E. Kennelly, first vice president; Theodore H. Miller, second vice president; Wm. Jay Schieffelin, third vice president; Howard Richards, secretary; Frederick L. Roberts, treasurer.

Certain-Teed Products Corp. is reorganizing its sales and executive forces with a view of going more aggressively after foreign trade. It is reported that European trade is picking up with the upturn of foreign exchange, particularly in Scandinavian countries. The company's orders for the first week in the year exceeded those for the same period last year by 35 per cent.

## MABEY ON CHEMICAL FREIGHT RATES

(Continued from page 115)

receiver beyond, if the question be one of water competition, still uses his water lines as usual. He cannot lose; the man in the middle may lose,—he cannot win. In closing, the Commission has spoken many times upon the question of mileage versus grouping in rate making. The following citation appears apropos, in the case now under investigation:

"Interstate rates higher or lower than other interstate rates on the same commodity for hauls of equal length exist everywhere in the country, and there is nothing unusual about finding some intrastate rates higher or lower than interstate rates for like distances in and about Kansas or any other state. It is sufficient to say, without going into details or citing examples, that such situations could be avoided only by ignoring transportation, commercial, competitive, and economic conditions, making all rates on a strictly distance basis, with no grouping, and confining practically all traffic between given points to one route. Whether the increases be in interstate or intrastate rates, instances will occur in which a group rate will apply for a longer or shorter haul than a distance rate, or in other ways any one of the various discrepancies here stressed may occur. When these are brought to our attention it becomes our duty to ascertain whether they result in undue prejudice, undue preference, or unjust discrimination which lies within the scope of our power and duty to remove.

"This policy or contention of the Kansas Commission, if carried to its logical conclusion, would be so destructive of existing rate structures and of sound and well-established principles and methods of rate making that to state it is to condemn it. Probably no interested party would support it except the few who might temporarily secure an advantage therefrom. If we were to start with a clean slate, some so-called scientific basis of rate making, based on strict mileages, might be adopted, but, as it is, the process of rate making and dealing with rate situations must necessarily be one of evolution, not revolution."—(Kansas Rates, Fares, and Charges, 64 I. C. C., 680, 681.)

Pacific Development Corp., holding company for Pacific Commercial Co., Anderson Meyer & Co., U. S. Pacific Co., and W. G. Pratt & Co., has been placed in the hands of receivers on the complaint of Old Colony Trust Co., Boston, which holds notes for \$815,000 with due date of Dec. 31, 1924. The Pacific Corp. has been gradually liquidating since 1922 when the Chinese Government defaulted on obligations for \$5,500,000 loaned them by the corporation. The creditors are banks which have been co-operating in the liquidation. Waldo S. Reed was appointed receiver.

The London "Morning Post" has compiled figures showing the cost of the war in actual cash and in estimated capitalized value of the loss of life for the principal Allies. The British Empire lost a total of approximately £10,054,000,000; France, £8,126,639,000; United States, £5,519,594,000 and Italy £3,502,000,000. Great Britain's lead is given her through her greater expenditures amounting to £8,805,000,000. France sustained the greatest loss of life, losing 1,427,000 known dead.

The West Texas Chamber of Commerce is supporting a bill introduced in the U. S. Senate by Senator Morris Sheppard which provides for the appropriation of \$500,000 for the survey of the potash beds which underlie the greater part of Western Texas.

Published in London Every Friday:

# The Chemical Trade Journal & Chemical Engineer

(Established 1887)

24/- Per Annum

 Every Large Firm in this  
Trade in the United States is a  
Direct Subscriber

American Advertisers  
Who Want Foreign Trade  
Will Find This Paper

The Direct Route  
to Buyers  
in 25 Countries

For Rates, Etc.

265 Strand  
LONDON, W. C. 2

# Local Spot Stocks

A selected list of established jobbers, merchants, and sales agents who carry stocks of standardized, branded products in local warehouse and who are prepared to render prompt distribution service.

## Illinois



STANDARD CHEMICALS  
FOR ALL PURPOSES

**MERCHANTS  
CHEMICAL CO., Inc.**

1314-16 S. Canal St., Chicago, Ill.

Sales Offices and Warehouses  
MILWAUKEE MINNEAPOLIS  
INDIANAPOLIS ST. LOUIS  
Middlewestern Sales Agents For  
MICHIGAN ALKALI CO'S  
SALES DEPARTMENT

**WISHNICK-TUMPEER  
CHEMICAL COMPANY**

STOCKS OF  
CHEMICALS  
FOR ALL INDUSTRIES

At  
Chicago 365 E. Illinois Street  
Cleveland Davenport & E. 14th Sts.  
Brooklyn 130 44th Street

**A. C. DRURY & CO.**  
420 RUSH STREET, CHICAGO, ILL.

Phone Central 2348 and 2349  
Western Headquarters On  
Kaodin—Italian Talc—Ozokerite Wax  
Zinc Stearate—Zinc Oxide—Filter Paper  
Stearic Acid—Rice Starch—Waxes  
Gums, Etc.

Western Sales Agents for  
ACETATES  
Amyl Ethyl Butyl  
IODIDES  
Potassium Sodium Ammonium  
Manufactured by  
Witbeck Chemical Corporation  
ALBANY NEW YORK

## Illinois (Cont.)

### DEPENDABLE SERVICE

**Benner Chemical Company**

208 South La Salle Street, Chicago, Ill.  
Soda Ash, Caustic Soda, Neutral  
Soda, Washing Soda, Cleaner and  
Cleanser, Bicarbonate of Soda,  
Tri Sodium Phosphate, Oxalic  
Acid.

Address All Communications to Main Office

**Magnesium  
Carbonate**

INDUSTRIAL CHEMICALS  
A. DAIGGER & COMPANY  
54 W. KINZIE ST., CHICAGO

## Maryland

**MATHIESON**  
Liquid Chlorine—Caustic Soda—Soda Ash  
Bleaching Powder—Anhydrous Ammonia  
Modified Virginia Soda—Bicarbonate of Soda

INDUSTRIAL AND  
LABORATORY CHEMICALS  
For Prompt Delivery From  
Warehouse Stocks  
**MARSHALL RIEHA, Inc.**  
1417 Thames St., Baltimore, Md.

## Massachusetts

### CEMENTS

Waterproofing

**HOWE & FRENCH**  
Established 1834  
99 Broad St., Boston, Mass.

## Indiana

**MATHIESON**  
Liquid Chlorine—Caustic Soda—Soda Ash  
Bleaching Powder—Anhydrous Ammonia  
Modified Virginia Soda—Bicarbonate of Soda

Aqua Ammonia	Ethyl Acetate
Brimstone	Butyl Alcohol
Sulphur	Refined Fusel Oils
Saltpetre (Potassium Nitrate)	Ether
Sodium Nitrate	Alum (Aluminum Sulphate)
Potassium Chloride	Turpentine
Amyl Acetate	Rosin "F"
Butyl Acetate	

**The ULRICH CHEMICAL CO.**

606 OCCIDENTAL BUILDING  
INDIANAPOLIS

Main 6879—Lincoln 6879

Western Sales Agents for  
ACETATES  
Amyl Ethyl Butyl  
IODIDES  
Potassium Sodium Ammonium  
Manufactured by  
Witbeck Chemical Corporation  
ALBANY NEW YORK

YOUR card here  
stamps you as head-  
quarters in your terri-  
tory—

One inch \$30, three months  
Two inches, \$50, three  
months

Three inches, \$75, three  
months

Sold on the yearly order.

# Local Spot Stocks

## Massachusetts (Con't.)

**ROGERS & McCLELLAN**  
Industrial Chemicals  
136 FEDERAL ST. BOSTON  
New England Agents for—  
Jefferson Distil. & Denaturing Co.  
**Denatured Alcohol**  
Seaboard Chemical Co.  
**Methanol**  
**Methyl Acetone**  
Penn. Chemical Works  
**Lye**  
Atlantic Carbonic Co.  
**Glauber Salts**  
Franco-American Chemical Works  
**Amyl Acetate**  
**Butyl Acetate**  
Eastern Agents for—  
Battelle & Renwick  
**Sulphur**  
Salt Petre

## UREA

CRYSTALLIZED

99.97% Carbamide  
.03% Moisture

Melting-point 132° C.  
Alkalinity:—only 20 in a million

Gustav Martin  
Boston

## MATHIESON

Liquid Chlorine-Caustic Soda-Soda Ash  
Bleaching Powder-Anhydrous Ammonia  
Modified Virginia Soda-Bicarbonate of Soda

Zinc Dust—Tri Sodium—Irish Moss  
Albumen—Epsom—Lithopone  
LEONARD W.

## CRONKHITE INCORPORATED

385 Congress St., Boston, Mass. Aug. 6686

## Massachusetts (Cont.)

**E. & F. KING & CO.**  
Estab. 1834 Inc. 1904  
399-409 ATLANTIC AVE., BOSTON  
New England Distributors  
**WYANDOTTE**  
MODIFIED SODAS  
SODA ASH, CAUSTIC SODA, CARBONIC SODA, SAL SODA AND BICARBONATE SODA  
Importers of and Dealers in  
**INDUSTRIAL CHEMICALS**

**DOE & INGALLS, INC.**  
196 MILK STREET  
BOSTON  
Congress 7031  
**PYROXYLIN**  
LACQUERS—DOPES—SOLVENTS

## Michigan

Your source of supply on  
Acids CHEMICALS Dyestuffs  
Should Be

**Eaton - Clark  
Company**

Also Distributors of J. B. Ford Co's.  
"Wyandotte" Products  
Phone Main 5216—We will give  
you prompt service out of stock  
204 Woodward Ave.  
Branch—Windsor, Ont. Detroit

## Missouri

**WHITE LAW BROTHERS  
CHEMICAL COMPANY**  
SAINT LOUIS KANSAS CITY  
SPOT STOCKS  
Epsom Salts (Drackett)  
Nitrates of Soda and Potash (Battelle and Renwick)  
Rosin (Winkler)  
Sulphur (Stauffer)  
Sulphur Dioxide (Virginia Smelting)

## Missouri (Cont.)

### G. S. ROBINS & CO.

"Chemicals With Service"

513 S. 2ND ST., ST. LOUIS

ST. LOUIS STOCKS of  
Oleic and Stearic Acid (Emery's), Castor  
Oil, Corn Oil, Pumice, Oil Sassafras,  
Oil Myrrhe

FOR SOAP MANUFACTURERS

Distributors for

**MATHIESON**

Liquid Chlorine-Caustic Soda-Soda Ash  
Bleaching Powder-Anhydrous Ammonia  
Modified Virginia Soda-Bicarbonate of Soda

## Flavors—Food Colors

Essential Oils

**Millard-Heath Co.**

216 Pine Street - - St. Louis, Mo.

## Chemicals, Oils and Drugs

**THOMPSON, HAYWARD &  
SCHLUETER, Inc.**

2932 Fairmount Ave., 305 Arsenal St.  
Kansas City St. Louis

## New Jersey

### American Oil & Supply Co.

238 Wilson Ave., Newark, N. J.

Oils—Acids—Chemicals  
Alcohol—Benzol—Toluol  
Xylol—Solvents—Alkalies  
Waste—Wiping Rags

YOUR card here stamps  
you as headquarters in  
your territory—

One inch \$30, three months  
Two inches, \$50, three months  
Three inches, \$75, three months

Sold on the yearly order.

# Local Spot Stocks

## New York

Headquarters in Western New York  
 Industrial Chemicals  
 Naval Stores  
 Pigments Oils  
 ROLLS CHEMICAL CO.  
 ELLICOTT SQUARE BLDG., BUFFALO

PIERCE & STEVENS, INC.  
 Alcohols Chemicals Solvents  
 SINCE 1864  
 710 OHIO STREET  
 BUFFALO, N.Y.

## Ohio

FORMALDEHYDE  
 (Miner-Edgar Co.)  
 WOOD ALCOHOL  
 (Seaboard Chem. Co.)  
 ACETIC ACID  
 (Michigan Iron & Chem. Co.)

Chemical Utilities Co.  
 1515-1517 WEST SIXTH ST.  
 CINCINNATI

## Pennsylvania (Con't.)

### CHEMICALS FOR ALL INDUSTRIES

ALKALIES, ACIDS  
 DRY COLORS, STARCHES  
 SOLVAY CAUSTIC SODA  
 SOLVAY SODA ASH  
 PROSPERITY MODIFIED SODA

GEORGE S. COYNE  
 CHEMICAL CO., Inc.  
 114 Walnut St. Philadelphia

## Pennsylvania (Con't.)

### Chemicals and Oils FOR TEXTILE LEATHER PAPER RUBBER PAINT, ETC.

ALEX. C. FERGUSSON, JR.  
 450 Chestnut Street, Philadelphia  
 Est. 1892 Lombard 3210-3211

CONSUMERS CHEMICAL CO.  
 Drexel Building, Philadelphia

ASH  
 CAUSTIC  
 TEXTILE  
 LAUNDRY  
 SPEC. ALKALI  
 BICARBONATE  
 Immediate Truck Deliveries

**SODA**

## Rhode Island

### GEORGE MANN and CO., INC.

Providence, Rhode Island

SODA ASH  
 CAUSTIC SODA  
 SODIUM SULFIDE  
 CALCIUM CHLORIDE  
 AMMONIA  
 STEARIC ACID

## Texas

**SULPHURIC ACID  
 CHEMICALS**  
 CARLOTS - CONTRACTS - LESS CARLOTS  
 WAREHOUSE STOCK AT - DALLAS  
 HOUSTON, TULSA, WICHITA FALLS, SAN ANTONIO,  
 CORPUS CHRISTI, SHREVEPORT, LITTLE ROCK,  
 632 BOSTON OFFICE  
 BOSTON, MASS.  
 MORTGAGE  
 BLDG.

JOE BARLOW, Distributor  
 DALLAS, TEXAS

2507  
 MARSHALL ST.

THESE cards offer a maximum of direct publicity  
 at a minimum of cost—

One inch \$30, three months  
 Two inches \$50, three months  
 Three inches, \$75, three months

Sold on the yearly order.

## NITRATE of LEAD

CHARLES LENNIG & CO., Inc.

Manufacturing Chemists

Office  
 40 N. Front St.  
 Philadelphia

Works  
 Bridesburg  
 Philadelphia



## HELP WANTED

**AROMATIC CHEMICALS**—Large manufacturer of aromatic chemicals, perfumers' raw materials, and flavoring products, is in the market for a high calibre salesman for New York and vicinity. Man who has had experience in this or similar lines. Salary adequate for man of right type and experience. Write to Box 243, DRUG & CHEMICAL MARKETS.

**SALESMAN**—Man of character, ability, and experience in selling the flavoring extract trade and perfumers for a leading American manufacturer of true fruit flavors, essential oils, and allied materials. Write, giving experience, etc., to Box 244, DRUG & CHEMICAL MARKETS.

**FLAVORING EXTRACTS**—Salesman experienced in this line wanted to call on the wholesale grocery, ice cream, confectionery and similar trades. Liberal proposition and permanent connection for a man who can make good in this line. Address in confidence with full particulars to Box 234, DRUG & CHEMICAL MARKETS.

**A MAN** who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

**DRUG SALESMEN**—Carry side line "Ray's Combined Salve and Liniment"—"The Wonder Healer", guaranteed. Box 452, Indianapolis, Ind.

## DRUGS AND CHEMICALS

**NAPHTHALENE FLAKES**, balls, crude for immediate and future shipments offered by Pacific Chemical Co., 68 Cliff St., New York.

**WANTED**—Salt Cake, bulk cars. Impact carboy testing outfit. ICC regulations. Globe Chemical Co., Cincinnati, Ohio.

## DRUGS AND CHEMICALS

**WANTED**—Methyl Alcohol. Societeit voor Chemische Industrie, Katwijk on Sea, Holland.

**ODD LOTS**, surplus and dead stocks of Chemicals, Dyes, Pigments, Dry Colors, Glues, Waxes, Minerals, etc., bought outright. Submit samples and details. Box 246, DRUG & CHEMICAL MARKETS.

Azot Spolka Akcyjna at Jaworzno, Poland—Electrochemical factory of Sodium Prussiate, Potassium Prussiate, Blue of Paris.

**WANTED**—Inquiries for oils, fats, glycerin, chemicals, rosin and turpentine. We always have a large surplus for sale. Dickinson Corporation (Brokers exclusively) 227 So. La Salle St., Chicago, Ill.

**MANUFACTURER WANTS** Crude Dinitro Toluene, oily, dark brown, in large quantities from one to four carloads per month. Box 105, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Odd lots of Essential Oils, Bergamot, Geranium, Rose and Citronella. Surplus stock of a manufacturer. Box 113, DRUG & CHEMICAL MARKETS.

## PLANT EQUIPMENT

**FOR SALE**—Troemmer Analytical Balance 0.1 mg. also  $\frac{1}{2}$  gallon Acme and Stokes gas heated water still in good condition. Box 107, DRUG & CHEMICAL MARKETS.

**WANTED**—Filter press, Shriver make preferred. Full information as to condition and capacity. Box 114, DRUG & CHEMICAL MARKETS.

**WANTED**—Pill Coating machine in A 1 condition. Price must be right. Box 118, DRUG & CHEMICAL MARKETS.

**WANTED**—An emulsifier 50 gal. capacity. Must be in good condition. State price and delivery. Box 470, 2501 World Tower Bldg.

## PLANT EQUIPMENT

**FOR SALE**—One Mohan Automatic Aspira Tablet filling machine, practically new. Cost originally \$500.00. Our price subject to being unsold \$350 net cash. Box 102, DRUG & CHEMICAL MARKETS.

**FOR SALE**—One Labelling Machine, used very little and in good operating condition. Can label, 2, 4, 8 and 16 oz. bottles. For price and further information communicate with B. E. Nelson, The Sherwin-Williams Co., Pullman Station, Chicago.

**FOR SALE**—Stokes "O" and "N" Machines, in good working condition. Both equipped with complete punch and die sets. Prices right. Walker, Corp & Co., Inc., Auburn, N. Y.

**FOR SALE**—World Labeling Machine complete with motor, one Kiefer Electric Percolator complete, motor, etc., one Kiefer Filling Machine, all in good order. The SEYLER MEDICINE COMPANY, Cincinnati, Ohio.

**WE WILL PAY CASH** for various Laboratory equipment such as, Microscope, Small Electric Centrifuge, Ointment Machine, Pulverizing Machine, etc. Paul & Co., 230 Greenwich St., N. Y. C.

**WANTED TO BUY**—Vertical Autoclave, Gas or Electric incubator, analytical balance. Must be in good condition, reasonable for cash. Reply details and prices. Box 3, G.P.O., Brooklyn, N. Y.

## MISCELLANEOUS

**ASK THE** Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



## Pickwick Arms (at Greenwich, Connecticut)

*To the members and friends of the  
Salesmen's Association of the American Chemical Industry*  
Week ends here are chock-full of good times. Delicious food, tuneful jazz, Saturday night dances, golf privileges, riding. This inn of country-club atmosphere is just a short motor run on the Boston Post Road. Come out for lunch, dinner or supper.

*Walter Tappan*

DRUG

American  
American  
American  
American  
Ammon  
Arkell  
ArnoldB & W  
Baird &  
Barrett  
Barrett  
Battelle  
Berkert  
Benner  
Berg In  
Bush, E  
Bush &  
Cable C  
Calco C  
Campbe  
Carbide  
Carbo y  
Carus C  
Central  
Chemica  
Chemica  
Chemica  
Chemica  
Chemica  
Church  
Cleveland  
Commer  
Compag  
Consum  
Cooper  
Coyne C  
Cronkh  
Daigge  
Diamond  
Doe &  
Dow Ch  
Drury &  
du PontEastman  
Eaton-C  
Electro  
Feder  
Fergusso  
Fougera  
Fries &  
FritzschGeneral  
George  
Grasselli  
Dye  
Gray &  
Greaff &Hammil  
Harshaw  
Howe &  
Industria  
Innis Sp  
Internati

## Index To Advertisers

American-British Chemical Supplies, Inc.	145
American Cyanamid Co.	131
American Oil Supply Co.	161
American Trona Corp.	147
Ammonia Corporation, The	125
Arkell Safety Bag Co.	47
Arnold Hoffman & Co.	40
B & W Co., The	53
Baird & McGuire	148
Barlow, Joe	162
Barrett Co., The	144
Barrett Co., M. L.	150
Battelle & Renwick	144
Benkert & Co., W.	153
Benner Chem. Co.	160
Berg Industrial Alcohol Co., David	66
Bush, Burton T.	88
Bush & Co., W. J.	152
Cable Chemical Works	59
Calco Chemical Co.	89
Campbell & Co., John	50
Carbide & Carbon Chemical Corp.	129
Carboy Co., The	78
Carus Chemical Co.	147
Central Dyestuffs & Chemical Co.	64
Chemical Age, The	143
Chemical Trade Journal	159
Chemical Utilities Co.	162
Chemical Works "Naarden"	149
Church & Dwight	163
Cleveland-Cliffs Iron Co., The	133
Commercial Solvents Co.	157
Compagnie Duval	150
Consumers Chem. Co.	162
Cooper & Co., Chas.	125
Coyne Chem. Co., Geo. S.	162
Cronkhite, Inc., Leonard W.	161
Daigge & Co., A.	160
Diamond Alkali Co.	140
Doe & Ingalls	161
Dow Chemical Co., The	87
Drury & Co., A. C.	160
du Pont de Nemours & Co., E. I.	134
Eastman Kodak Co.	73
Eaton-Clark Co.	161
Electro Bleaching Gas Co.	132
Federal Products Co., The	146
Fergusson, Jr., Alex. C.	162
Fougera & Co., E.	125
Fries & Fries Co., The	154
Fritzsche Bros.	152
General Chemical Co.	127
George Chemicals, Inc., W. F.	155
Grasselli Chemical Co.	128
Dyestuff Department	51
Gray & Co., William S.	90
Greeff & Co., R. W.	136
Hammill & Gillespie	134
Harshaw, Fuller & Goodwin Co.	130
Howe & French	160
Industrial Chemical Co.	136
Innis Speiden & Co.	135
International Salt Co.	143

(Continued on page 166)

# THE NEWPORT QUALITY

Coal Tar  
Products

IN THE COURSE OF OUR PROCESS

## "Coal to Dyestuff"

we produce many coal tar chemicals and intermediates. These we offer for sale in the same high quality standards that have given our colors their superior reputation. We are headquarters for the following and we solicit inquiries for others not listed:

Flotation Reagents	Xylidine
Ortho Nitro Toluol	N W Acid
Ortho Nitro Anisol	Dianisidine
Para Nitro Toluol	Benzidine
Ortho Toluidine	Tolidine
Ortho Anisidine	Gamma Acid
Para Toluidine	Cleves Acid
Meta Phenylene Diamine	
Meta Toluylene Diamine	
Alpha Naphthylamine	
Sodium Naphthionate	



**Newport Chemical Works**  
INCORPORATED  
PASSAIC, NEW JERSEY



## Painstaking Chemical Control Characterizes Production

of all of our alcohols, esters, and associated products. We are capable of meeting the most exacting specifications of any plant requiring such materials. Conveniently located warehouses insure speedy delivery of standard products, and large well equipped plants of special materials.

ACETIC ETHER

ACETONE

AMMONIUM SALTS

AMYL ACETATE

CARBON DIOXIDE

ETHER, ABSOLUTE

ETHER, ANESTHESIA

ETHER, U. S. P.

ETHYL ACETATE

ETHYL ACETO-ACETATE

ETHYL ALCOHOL, ABSOLUTE

ETHYL ALCOHOL, C. P. 96%

ETHYL FORMATE

AMYL ALCOHOL

ETHYL LACTATE

ETHYL OXALATE

ETHYL PHthalate

ETHYLENE

ISOBUTYL ALCOHOL

ISOPROPYL ALCOHOL

IODINE, DISTILLED

NORMAL PROPYL ALCOHOL

POTASH SALTS

POTASSIUM IODIDE

REFINED FUSYL OIL

SPECIAL ESTERS

TINCTURE IODINE

## U. S. INDUSTRIAL CHEMICAL CO.

Executive Offices, 110 E 42nd St., New York

### Sales Offices and Warehouses

BALTIMORE  
So. Baltimore,  
BOSTON

131 Beverly St.,  
Boston 14, Mass.

BUFFALO  
4th and Jersey Sts  
CHICAGO

3652 Archer Ave.

CINCINNATI  
4609 Eastern Ave.

CLEVELAND  
Perry Payne Bldg.

DETROIT  
Union Trust Bldg.

KANSAS CITY  
1409 W. 10th St.

NEW ORLEANS  
Maison Blanche Bldg.

NEWARK  
238 Wilson Ave.

PHILADELPHIA  
141 No. Front St.

PITTSBURGH  
Bessemer Building.

## PURE and DENATURED ALCOHOL

For Manufacturing, Industrial,  
Scientific and Technical Purposes

U. S. INDUSTRIAL ALCOHOL CO.

Largest Producers in the World  
Executive Offices: 110 E. 42nd Street, New York  
Branches in all principal cities

## Index to Advertisers

(Continued)

Jordan Coal Tar Products Co.	146
Kessler Chem. Co., The	163
King & Co., E. & F.	161
Lawson Corp., William C.	147
Lennig & Co., Chas.	162
Magnus, Mabee & Reynard, Inc.	153, 154
Mallinckrodt Chemical Works	132
Mann & Co., George	162
Martin, Gustav	161
Mathieson Alkali Works	1st cover
May & Baker	149
Merchants Chem. Co.	160
Merrimac Chem. Co.	6
Metz & Co., H. A.	138
Michigan Alkali Co.	142
Millard-Heath Co.	161
Miner-Edgar Co., The	126
Monsanto Chemical Works	139
Morana, Incorporated	151
Newport Chemical Works	147, 165
New York Quinine & Chemical Works	130
Norvell Chemical Corp.	131
Pacific Coast Borax Co.	149
Parsons & Petit	61
Peabody & Co., Henry W.	155
Philippeau, J. L.	146
Pickwick Arms	164
Pierce & Stevens	162
Pfaltz & Bauer	80
Powers-Weightman-Rosengarten Co.	125
Presman Company, B.	64
Proffitt, M. E.	149
Raab & Co., H.	154
Rare Metal Products Co.	145
Rhodia Chemical Co.	150
Rieha, Marshall, Inc.	160
Robins & Co., G. S.	161
Rodgers Chem. Co.	162
Roessler & Hasslacher Chemical Co., The	4th cover
Rogers & McClellan	161
Rohm & Haas Co.	43
Rolls Chem. Co.	162
Ross-Gould Co.	146
Seaboard Chemical Co.	129
Selden Co., The	137
Sergeant Co., E. M.	50
Solvay Process Co.	141
Steel Drum & Barrel Co.	78
Sterling Borax Co.	148
Suter & Co., Eugene	43
Thompson, Hayward & Schlueter	161
Uhe, Geo.	148
Ulrich Chem. Co., The	160
Ungerer & Co.	151
U. S. By-Products Chlorides Co.	148
U. S. Industrial Alcohol Co.	166
U. S. Industrial Chemical Co.	166
Victor Chemical Works	135
Victor & Hosken	139
Warner Chemical Co., The	2nd cover
West Co., H. T.	160
White Tar Aniline Corp., The	61
Whitelaw Bros. Chem. Co.	161
Wing & Evans	141
Winkler & Bros. Co., Isaac	129
Wishnick-Tumpeer Chem. Co.	160

# Just Out!

The new 857 page DRUG & CHEMICAL MARKETS

## 1925 GUIDE-BOOK

is off the press and free distribution to subscribers of DRUG & CHEMICAL MARKETS has begun.

THE new 1925 GUIDE-BOOK and buyers' directory is more than a hundred pages bigger and better than the 1924 edition.

IT contains: PART I,—a directory of the chemical, drug, essential oil, dye and tanstuff, and allied industries in the United States, comprising 10,000 firms, with street addresses and phone numbers in the big cities. PART II,—a buyers' directory, 2,500 products, chemicals, essential oils, drugs, colors, tanstuffs, etc., with full lists of manufacturers, importers, and local suppliers. PART III,—lists of products for which various leading firms are headquarters, grouped according to firms. PART IV,—back prices from 1914 to date on 200 most important chemicals, essential oils, drugs, dyestuffs, etc., accompanied by 54 price charts of these groups and individual products over the same period.

THE most complete buyers' GUIDE-BOOK and directory published of chemicals and allied products—over 850 pages, arranged for quick and accurate reference use—strongly bound, with reinforced linen cover.

THE 1925 Edition has a dark red cover. Watch for your copy. Make sure that your subscription to DRUG & CHEMICAL MARKETS is paid. If you have received a subscription renewal bill, send in your check for four dollars. If your subscription expires you will miss your free copy of the GUIDE-BOOK.

DRUG & CHEMICAL MARKETS,  
3 Park Place, New York.



## R & H CHEMICALS

A partial list of R & H Chemicals—together with price changes and comment on special market features—is published each month.

This list includes chemicals used by the consuming industries. It is used regularly by many as a guide in the purchase of materials.

We shall be glad to include on the mailing list the name of any one interested.

We leave it to psychologists to explain why confidence is catching. Yet such appears to be the case.

Confidence in R & H seems to originate with our workers—regardless of their location in manufacturing plants, home office or those sentinels of chemical progress—R & H branch houses.

Our employees have confidence in our products, in themselves and their fellow workers, and in the business methods of this company.

Consumers of R & H Chemicals reflect this faith. They know that conscientious workers guided by experience and knowledge are the basic ingredients of reliable chemicals—another name for R & H Chemicals.

*The*  
**ROESSLER & HASSLACHER CHEMICAL CO.**  
709 Sixth Avenue, New York.

